Start	1	End	1914
Name	OJ000250_86.0307.C108.o1.np	Method	AAT/NAP
Start	1	End	1914
GI	7489374	Score	241
Exons	1..622, 1865..1914		
GI Descrip.	hypothetical protein - barley gi\|1666236\|gb\|AAB18645.1\| (U76261) unknown [Hordeum vulgare]		

Seq. No.	43252	Seq. ID	OJ000250_86.0307.C108
Gene No.	90618	Strand	+
Start	1	End	1914
Name	OJ000250_86.0307.C108.o1.gs	Method	GENSCAN
Start	376	End	1583
GI	none	Score	.71
Exons	376..1298, 1383..1583		

Seq. No.	43253	Seq. ID	OJ000250_86.0307.C109
Gene No.	90619	Strand	-
Start	1905	End	2009
Name	OJ000250_86.0307.C109.o1.gs	Method	GENSCAN
Start	1905	End	2009
GI	none	Score	.72
Exons	1905..2009		

Seq. No.	43254	Seq. ID	OJ000250_86.0307.C112
Gene No.	90620	Strand	+
Start	748	End	1010
Name	OJ000250_86.0307.C112.o1.gs	Method	GENSCAN
Start	748	End	1010
GI	none	Score	.52
Exons	748..1010		

Seq. No.	43254	Seq. ID	OJ000250_86.0307.C112
Gene No.	90621	Strand	-
Start	87	End	193
Name	OJ000250_86.0307.C112.o1.np	Method	AAT/NAP
Start	87	End	193
GI	5922619	Score	104
Exons	87..193		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43255	Seq. ID	OJ000250_86.0307.C117
Gene No.	90622	Strand	-
Start	685	End	1026
Name	OJ000250_86.0307.C117.o1.gs	Method	GENSCAN
Start	685	End	1026
GI	none	Score	.91
Exons	685..1026		

Seq. No.	43256	Seq. ID	OJ000250_86.0307.C118
Gene No.	90623	Strand	+
Start	1	End	1133
Name	OJ000250_86.0307.C118.o1.np	Method	AAT/NAP
Start	1	End	618
GI	5042463	Score	151

Exons	1..65, 262..412, 459..618		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	43256	Seq. ID	OJ000250_86.0307.C118
Gene No.	90623	Strand	+
Start	1	End	1133
Name	OJ000250_86.0307.C118.o1.gs	Method	GENSCAN
Start	270	End	1133
GI	none	Score	.55
Exons	270..538, 1071..1133		
Seq. No.	43256	Seq. ID	OJ000250_86.0307.C118
Gene No.	90624	Strand	-
Start	2099	End	3446
Name	OJ000250_86.0307.C118.o2.gs	Method	GENSCAN
Start	2099	End	3174
GI	none	Score	.75
Exons	2099..2293, 2986..3174		
Seq. No.	43256	Seq. ID	OJ000250_86.0307.C118
Gene No.	90624	Strand	-
Start	2099	End	3446
Name	OJ000250_86.0307.C118.o2.np	Method	AAT/NAP
Start	2180	End	3446
GI	6498436	Score	65
Exons	2180..2293, 2603..2867, 3367..3446		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	43257	Seq. ID	OJ000250_86.0307.C119
Gene No.	90626	Strand	+
Start	1261	End	2043
Name	OJ000250_86.0307.C119.o1.gs	Method	GENSCAN
Start	1261	End	2043
GI	none	Score	.77
Exons	1261..1470, 1899..2043		
Seq. No.	43258	Seq. ID	OJ000250_86.0307.C120
Gene No.	90627	Strand	+
Start	11	End	692
Name	OJ000250_86.0307.C120.o1.gs	Method	GENSCAN
Start	11	End	692
GI	none	Score	.81
Exons	11..178, 289..456, 564..692		
Seq. No.	43259	Seq. ID	OJ000250_86.0307.C121
Gene No.	90628	Strand	+
Start	1194	End	1824
Name	OJ000250_86.0307.C121.o1.np	Method	AAT/NAP
Start	1194	End	1824
GI	6739506	Score	377
Exons	1194..1824		
GI Descrip.	(AF122821) cytochrome P450 [Capsicum annuum]		
Seq. No.	43259	Seq. ID	OJ000250_86.0307.C121
Gene No.	90628	Strand	+
Start	1194	End	1824
Name	OJ000250_86.0307.C121.o1.gs	Method	GENSCAN

Start	1200	End	1808
GI	none	Score	.98
Exons	1200..1808		

Seq. No.	43260	Seq. ID	OJ000250_86.0307.C122
Gene No.	90629	Strand	+
Start	913	End	1168
Name	OJ000250_86.0307.C122.o1.gs	Method	GENSCAN
Start	913	End	1168
GI	none	Score	.92
Exons	913..958, 1029..1168		

Seq. No.	43260	Seq. ID	OJ000250_86.0307.C122
Gene No.	90630	Strand	-
Start	2487	End	6357
Name	OJ000250_86.0307.C122.o1.np	Method	AAT/NAP
Start	2487	End	6357
GI	7228446	Score	4617
Exons	2487..3359, 3447..6357		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	43260	Seq. ID	OJ000250_86.0307.C122
Gene No.	90631	Strand	-
Start	7181	End	8052
Name	OJ000250_86.0307.C122.o2.np	Method	AAT/NAP
Start	7181	End	8052
GI	7484649	Score	312
Exons	7181..8052		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi\|2462134\|emb\|CAA73798.1\| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	43261	Seq. ID	OJ000250_86.0307.C123
Gene No.	90632	Strand	+
Start	67	End	436
Name	OJ000250_86.0307.C123.o1.gs	Method	GENSCAN
Start	67	End	436
GI	none	Score	.6
Exons	67..436		

Seq. No.	43262	Seq. ID	OJ000250_86.0307.C125
Gene No.	90633	Strand	-
Start	182	End	749
Name	OJ000250_86.0307.C125.o1.gs	Method	GENSCAN
Start	182	End	749
GI	none	Score	.42
Exons	182..230, 674..749		

Seq. No.	43263	Seq. ID	OJ000250_86.0307.C127
Gene No.	90634	Strand	-
Start	429	End	1090
Name	OJ000250_86.0307.C127.o1.gs	Method	GENSCAN
Start	429	End	1090
GI	none	Score	.61
Exons	429..598, 794..902, 967..1090		

Seq. No.	43264	Seq. ID	OJ000250_86.0307.C128
Gene No.	90635	Strand	+
Start	1	End	1001
Name	OJ000250_86.0307.C128.o1.np	Method	AAT/NAP
Start	1	End	389
GI	1531756	Score	498
Exons	1..389		
GI Descrip.	(X82413) proline-rich-like protein [Asparagus officinalis]		

Seq. No.	43264	Seq. ID	OJ000250_86.0307.C128
Gene No.	90637	Strand	-
Start	1718	End	5011
Name	OJ000250_86.0307.C128.o2.gs	Method	GENSCAN
Start	1718	End	4801
GI	none	Score	.73
Exons	1718..1834, 2756..3091, 3182..3216, 3360..3459, 3881..4006, 4098..4215, 4710..4801		

Seq. No.	43264	Seq. ID	OJ000250_86.0307.C128
Gene No.	90637	Strand	-
Start	1718	End	5011
Name	OJ000250_86.0307.C128.o2.np	Method	AAT/NAP
Start	2708	End	5011
GI	3820620	Score	524
Exons	2708..3091, 3182..3222, 3360..3459, 3553..3630, 3705..3755, 3881..4006, 4098..4166, 4710..4767, 4842..5011		
GI Descrip.	(AF099970) putative formamidopyrimidine-DNA glycosylase 1 [Arabidopsis thaliana]		

Seq. No.	43265	Seq. ID	OJ000250_86.0307.C132
Gene No.	90638	Strand	-
Start	1	End	504
Name	OJ000250_86.0307.C132.o1.np	Method	AAT/NAP
Start	1	End	477
GI	7485370	Score	79
Exons	1..81, 387..477		
GI Descrip.	hypothetical protein F10N7.30 - Arabidopsis thaliana gi\|2827621\|emb\|CAA16573.1\| (AL021636) putative protein [Arabidopsis thaliana] gi\|7270120\|emb\|CAB79934.1\| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	43265	Seq. ID	OJ000250_86.0307.C132
Gene No.	90638	Strand	-
Start	1	End	504
Name	OJ000250_86.0307.C132.o1.gs	Method	GENSCAN
Start	219	End	480
GI	none	Score	.48
Exons	219..311, 352..480		

Seq. No.	43266	Seq. ID	OJ000250_86.0307.C135
Gene No.	90639	Strand	+
Start	694	End	2106
Name	OJ000250_86.0307.C135.o1.np	Method	AAT/NAP
Start	694	End	1790
GI	7433539	Score	1027
Exons	694..1086, 1180..1281, 1549..1790		

GI Descrip.	glycine hydroxymethyltransferase (EC 2.1.2.1) - Arabidopsis thaliana gi\|2244749\|emb\|CAB10172.1\| (Z97335) hydroxymethyltransferase [Arabidopsis thaliana] gi\|7268097\|emb\|CAB78435.1\| (AL161537) hydroxymethyltransferase [Arabidopsis thaliana]		
Seq. No.	43266	Seq. ID	OJ000250_86.0307.C135
Gene No.	90639	Strand	+
Start	694	End	2106
Name	OJ000250_86.0307.C135.o1.gs	Method	GENSCAN
Start	696	End	1793
GI	none	Score	.94
Exons	696..1086, 1180..1281, 1549..1793		
Seq. No.	43267	Seq. ID	OJ000250_86.0307.C141
Gene No.	90640	Strand	-
Start	659	End	1360
Name	OJ000250_86.0307.C141.o1.gs	Method	GENSCAN
Start	659	End	1360
GI	none	Score	.45
Exons	659..1360		
Seq. No.	43268	Seq. ID	OJ000250_86.0307.C147
Gene No.	90641	Strand	-
Start	1	End	1132
Name	OJ000250_86.0307.C147.o1.np	Method	AAT/NAP
Start	1	End	1132
GI	6041833	Score	101
Exons	1..45, 779..1132		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi\|6642634\|gb\|AAF20215.1\|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		
Seq. No.	43268	Seq. ID	OJ000250_86.0307.C147
Gene No.	90641	Strand	-
Start	1	End	1132
Name	OJ000250_86.0307.C147.o1.tm	Method	TBLASTX:Maize
Start	872	End	1066
GI	none	Score	225
Exons	872..1057, 874..1056, 875..1066		
Seq. No.	43269	Seq. ID	OJ000250_86.0307.C152
Gene No.	90642	Strand	-
Start	1	End	705
Name	OJ000250_86.0307.C152.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6041833	Score	334
Exons	1..308, 358..705		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi\|6642634\|gb\|AAF20215.1\|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		
Seq. No.	43269	Seq. ID	OJ000250_86.0307.C152
Gene No.	90642	Strand	-
Start	1	End	705
Name	OJ000250_86.0307.C152.o1.gs	Method	GENSCAN
Start	27	End	427

GI	none	Score	.44
Exons	27..427		

Seq. No.	43270	Seq. ID	OJ000250_86.0307.C158
Gene No.	90643	Strand	-
Start	743	End	1084
Name	OJ000250_86.0307.C158.o1.gs	Method	GENSCAN
Start	743	End	1084
GI	none	Score	.78
Exons	743..1084		

Seq. No.	43271	Seq. ID	OJ000250_86.0307.C159
Gene No.	90644	Strand	-
Start	1	End	2156
Name	OJ000250_86.0307.C159.o1.np	Method	AAT/NAP
Start	1	End	2150
GI	5524157	Score	480
Exons	1..180, 1295..2150		
GI Descrip.	(AF124816) cytochrome p450 isoform PM17 [Mentha x piperita]		

Seq. No.	43271	Seq. ID	OJ000250_86.0307.C159
Gene No.	90644	Strand	-
Start	1	End	2156
Name	OJ000250_86.0307.C159.o1.gs	Method	GENSCAN
Start	1248	End	2156
GI	none	Score	.66
Exons	1248..2156		

Seq. No.	43272	Seq. ID	OJ000250_86.0307.C160
Gene No.	90645	Strand	+
Start	280	End	2063
Name	OJ000250_86.0307.C160.o1.np	Method	AAT/NAP
Start	280	End	2063
GI	7523517	Score	74
Exons	280..666, 1983..2063		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43272	Seq. ID	OJ000250_86.0307.C160
Gene No.	90645	Strand	+
Start	280	End	2063
Name	OJ000250_86.0307.C160.o1.gs	Method	GENSCAN
Start	415	End	638
GI	none	Score	.87
Exons	415..638		

Seq. No.	43273	Seq. ID	OJ000250_86.0307.C161
Gene No.	90646	Strand	-
Start	10	End	213
Name	OJ000250_86.0307.C161.o1.gs	Method	GENSCAN
Start	10	End	213
GI	none	Score	.99
Exons	10..213		

Seq. No.	43274	Seq. ID	OJ000250_86.0307.C163
Gene No.	90647	Strand	+
Start	479	End	1015
Name	OJ000250_86.0307.C163.o1.gs	Method	GENSCAN

Start	479	End	1015
GI	none	Score	.89
Exons	479..1015		

Seq. No.	43275	Seq. ID	OJ000250_86.0307.C168
Gene No.	90649	Strand	-
Start	1	End	756
Name	OJ000250_86.0307.C168.o1.np	Method	AAT/NAP
Start	1	End	756
GI	2980781	Score	280
Exons	1..28, 378..756		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	43275	Seq. ID	OJ000250_86.0307.C168
Gene No.	90649	Strand	-
Start	1	End	756
Name	OJ000250_86.0307.C168.o1.gs	Method	GENSCAN
Start	373	End	723
GI	none	Score	.99
Exons	373..723		

Seq. No.	43276	Seq. ID	OJ000250_86.0307.C169
Gene No.	90650	Strand	-
Start	1	End	1396
Name	OJ000250_86.0307.C169.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	2980781	Score	166
Exons	1..21, 942..981, 1083..1305		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	43276	Seq. ID	OJ000250_86.0307.C169
Gene No.	90650	Strand	-
Start	1	End	1396
Name	OJ000250_86.0307.C169.o1.gs	Method	GENSCAN
Start	444	End	1348
GI	none	Score	.82
Exons	444..498, 886..981, 1083..1348		

Seq. No.	43277	Seq. ID	OJ000250_86.0307.C170
Gene No.	90651	Strand	+
Start	1	End	186
Name	OJ000250_86.0307.C170.o1.np	Method	AAT/NAP
Start	1	End	186
GI	4378663	Score	255
Exons	1..186		
GI Descrip.	(AF107765) cytochrome P450 [Prunus dulcis]		

Seq. No.	43277	Seq. ID	OJ000250_86.0307.C170
Gene No.	90652	Strand	+
Start	109	End	285
Name	OJ000250_86.0307.C170.o1.gs	Method	GENSCAN
Start	109	End	282
GI	none	Score	.84
Exons	109..282		

Seq. No.	43278	Seq. ID	OJ000250_86.0307.C179
Gene No.	90654	Strand	-

Start	1	End	683
Name	OJ000250_86.0307.C179.o1.np	Method	AAT/NAP
Start	1	End	626
GI	5915835	Score	336
Exons	1..626		
GI Descrip.	CYTOCHROME P450 71D6 gi\|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	43278	Seq. ID	OJ000250_86.0307.C179
Gene No.	90654	Strand	-
Start	1	End	683
Name	OJ000250_86.0307.C179.o1.gs	Method	GENSCAN
Start	16	End	683
GI	none	Score	.76
Exons	16..683		

Seq. No.	43278	Seq. ID	OJ000250_86.0307.C179
Gene No.	90655	Strand	-
Start	1046	End	1286
Name	OJ000250_86.0307.C179.o2.gs	Method	GENSCAN
Start	1046	End	1286
GI	none	Score	.58
Exons	1046..1183, 1188..1286		

Seq. No.	43279	Seq. ID	OJ000250_86.0307.C180
Gene No.	90656	Strand	+
Start	505	End	966
Name	OJ000250_86.0307.C180.o1.gs	Method	GENSCAN
Start	505	End	966
GI	none	Score	.47
Exons	505..966		

Seq. No.	43279	Seq. ID	OJ000250_86.0307.C180
Gene No.	90657	Strand	-
Start	1671	End	2039
Name	OJ000250_86.0307.C180.o2.gs	Method	GENSCAN
Start	1671	End	2039
GI	none	Score	.6
Exons	1671..2039		

Seq. No.	43280	Seq. ID	OJ000250_86.0307.C182
Gene No.	90658	Strand	-
Start	721	End	3039
Name	OJ000250_86.0307.C182.o1.gs	Method	GENSCAN
Start	721	End	3039
GI	none	Score	.57
Exons	721..747, 1069..1136, 2618..2779, 2938..3039		

Seq. No.	43281	Seq. ID	OJ000250_86.0307.C183
Gene No.	90659	Strand	-
Start	344	End	1478
Name	OJ000250_86.0307.C183.o1.np	Method	AAT/NAP
Start	265	End	1478
GI	5915839	Score	541
Exons	265..877, 1426..1478		
GI Descrip.	CYTOCHROME P450 71D10 gi\|2739000\|gb\|AAB94588\| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	43281	Seq. ID	OJ000250_86.0307.C183
Gene No.	90659	Strand	-
Start	344	End	1478
Name	OJ000250_86.0307.C183.o1.gs	Method	GENSCAN
Start	344	End	954
GI	none	Score	.67
Exons	344..954		

Seq. No.	43282	Seq. ID	OJ000250_86.0307.C185
Gene No.	90660	Strand	-
Start	400	End	606
Name	OJ000250_86.0307.C185.o1.gs	Method	GENSCAN
Start	400	End	606
GI	none	Score	.46
Exons	400..606		

Seq. No.	43283	Seq. ID	OJ000250_86.0307.C186
Gene No.	90661	Strand	+
Start	2327	End	2819
Name	OJ000250_86.0307.C186.o1.gs	Method	GENSCAN
Start	2327	End	2680
GI	none	Score	.4
Exons	2327..2680		

Seq. No.	43284	Seq. ID	OJ000250_86.0307.C187
Gene No.	90663	Strand	-
Start	980	End	2045
Name	OJ000250_86.0307.C187.o1.gs	Method	GENSCAN
Start	980	End	2045
GI	none	Score	.77
Exons	980..1635, 1820..2045		

Seq. No.	43284	Seq. ID	OJ000250_86.0307.C187
Gene No.	90663	Strand	-
Start	980	End	2045
Name	OJ000250_86.0307.C187.o1.np	Method	AAT/NAP
Start	983	End	1597
GI	5903092	Score	857
Exons	983..1597		
GI Descrip.	(AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]		

Seq. No.	43285	Seq. ID	OJ000250_86.0307.C188
Gene No.	90664	Strand	-
Start	28	End	342
Name	OJ000250_86.0307.C188.o1.gs	Method	GENSCAN
Start	28	End	342
GI	none	Score	.99
Exons	28..342		

Seq. No.	43286	Seq. ID	OJ000250_86.0307.C189
Gene No.	90665	Strand	+
Start	2579	End	2706
Name	OJ000250_86.0307.C189.o1.np	Method	AAT/NAP
Start	2579	End	2706
GI	5922620	Score	183

Exons	2579..2706		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43287	Seq. ID	OJ000250_86.0307.C190
Gene No.	90666	Strand	+
Start	63	End	741
Name	OJ000250_86.0307.C190.o1.np	Method	AAT/NAP
Start	63	End	741
GI	5922620	Score	322
Exons	63..239, 276..360, 722..741		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43287	Seq. ID	OJ000250_86.0307.C190
Gene No.	90666	Strand	+
Start	63	End	741
Name	OJ000250_86.0307.C190.o1.gs	Method	GENSCAN
Start	276	End	416
GI	none	Score	.82
Exons	276..416		
Seq. No.	43288	Seq. ID	OJ000250_86.0307.C192
Gene No.	90667	Strand	+
Start	727	End	1069
Name	OJ000250_86.0307.C192.o2.gs	Method	GENSCAN
Start	727	End	1069
GI	none	Score	.63
Exons	727..897, 998..1069		
Seq. No.	43288	Seq. ID	OJ000250_86.0307.C192
Gene No.	90668	Strand	-
Start	1	End	1353
Name	OJ000250_86.0307.C192.o1.np	Method	AAT/NAP
Start	1	End	1353
GI	5042463	Score	207
Exons	1..66, 753..1016, 1247..1353		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	43289	Seq. ID	OJ000250_86.0307.C198
Gene No.	90669	Strand	+
Start	1	End	744
Name	OJ000250_86.0307.C198.o1.np	Method	AAT/NAP
Start	1	End	729
GI	5915836	Score	574
Exons	1..51, 121..729		
GI Descrip.	CYTOCHROME P450 71D7 gi\|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		
Seq. No.	43289	Seq. ID	OJ000250_86.0307.C198
Gene No.	90669	Strand	+

Start	1	End	744
Name	OJ000250_86.0307.C198.o1.gs	Method	GENSCAN
Start	124	End	744
GI	none	Score	.89
Exons	124..744		

Seq. No.	43290	Seq. ID	OJ000250_82.0320.C7
Gene No.	90670	Strand	-
Start	473	End	971
Name	OJ000250_82.0320.C7.o1.np	Method	AAT/NAP
Start	473	End	971
GI	5295982	Score	75
Exons	473..586, 947..971		
GI Descrip.	(AB003324) MADS box-like protein [Oryza sativa]		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90671	Strand	+
Start	1189	End	1488
Name	OJ000250_82.0320.C8.o1.np	Method	AAT/NAP
Start	1189	End	1488
GI	6815099	Score	97
Exons	1189..1488		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o1.gs	Method	GENSCAN
Start	2002	End	9457
GI	none	Score	.51
Exons	2002..2176, 2693..2821, 3040..3151, 3231..3345, 5869..6366, 6835..6984, 7139..7412, 7466..9321, 9372..9457		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o1.gp	Method	AAT/GAP
Start	4143	End	4565
GI	none	Score	824
Exons	4143..4565		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o2.tw	Method	TBLASTX:Wheat
Start	7600	End	7986
GI	none	Score	354
Exons	7600..7986, 7611..7985		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o2.np	Method	AAT/NAP
Start	7606	End	9715
GI	6539553	Score	3686
Exons	7606..9715		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	7735	End	8048
GI	none	Score	362
Exons	7735..8046, 7743..8048		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	8547	End	8869
GI	none	Score	268
Exons	8547..8801, 8554..8868, 8574..8867, 8702..8869		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o2.ts	Method	TBLASTX:Soybean
Start	8896	End	9282
GI	none	Score	88
Exons	8896..9051, 9034..9282		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o3.tw	Method	TBLASTX:Wheat
Start	9001	End	9297
GI	none	Score	244
Exons	9001..9297, 9133..9291		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o3.tm	Method	TBLASTX:Maize
Start	9070	End	9503
GI	none	Score	148
Exons	9070..9297, 9311..9478, 9318..9503		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	9299	End	9689
GI	none	Score	191
Exons	9299..9469, 9300..9515, 9300..9470, 9516..9689, 9524..9562		

Seq. No.	43291	Seq. ID	OJ000250_82.0320.C8
Gene No.	90672	Strand	+
Start	2002	End	9715
Name	OJ000250_82.0320.C8.o1.tw	Method	TBLASTX:Wheat
Start	9339	End	9715

GI	none	Score	513
Exons	9339..9713, 9347..9715, 9349..9714		

Seq. No.	43292	Seq. ID	OJ000250_82.0320.C25
Gene No.	90673	Strand	+
Start	123	End	257
Name	OJ000250_82.0320.C25.o1.ts	Method	TBLASTX:Soybean
Start	84	End	257
GI	none	Score	249
Exons	84..257, 89..253, 90..254		

Seq. No.	43292	Seq. ID	OJ000250_82.0320.C25
Gene No.	90673	Strand	+
Start	123	End	257
Name	OJ000250_82.0320.C25.o1.gs	Method	GENSCAN
Start	123	End	250
GI	none	Score	.57
Exons	123..250		

Seq. No.	43293	Seq. ID	OJ000250_82.0320.C27
Gene No.	90674	Strand	+
Start	70	End	323
Name	OJ000250_82.0320.C27.o1.gs	Method	GENSCAN
Start	70	End	323
GI	none	Score	.88
Exons	70..323		

Seq. No.	43293	Seq. ID	OJ000250_82.0320.C27
Gene No.	90675	Strand	-
Start	204	End	718
Name	OJ000250_82.0320.C27.o1.tm	Method	TBLASTX:Maize
Start	53	End	236
GI	none	Score	267
Exons	53..232, 54..236, 57..233		

Seq. No.	43293	Seq. ID	OJ000250_82.0320.C27
Gene No.	90675	Strand	-
Start	204	End	718
Name	OJ000250_82.0320.C27.o1.gp	Method	AAT/GAP
Start	204	End	718
GI	702430	Score	117
Exons	204..274, 696..718		
GI Descrip.	5734704/gb\|AAD49969.1\|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	43294	Seq. ID	OJ000250_82.0320.C28
Gene No.	90676	Strand	+
Start	725	End	1061
Name	OJ000250_82.0320.C28.o1.gs	Method	GENSCAN
Start	725	End	1061
GI	none	Score	.52
Exons	725..802, 909..1061		

Seq. No.	43295	Seq. ID	OJ000250_82.0320.C40
Gene No.	90677	Strand	

Start	408	End	567
Name	OJ000250_82.0320.C40.o1.tw	Method	TBLASTX:Wheat
Start	408	End	536
GI	none	Score	188
Exons	408..536, 409..516, 410..532		

Seq. No.	43295	Seq. ID	OJ000250_82.0320.C40
Gene No.	90677	Strand	
Start	408	End	567
Name	OJ000250_82.0320.C40.o1.tm	Method	TBLASTX:Maize
Start	420	End	567
GI	none	Score	186
Exons	420..545, 422..562, 425..544, 427..567		

Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90678	Strand	+
Start	1	End	2362
Name	OJ000250_82.0320.C43.o1.np	Method	AAT/NAP
Start	1	End	804
GI	2388578	Score	478
Exons	1..258, 467..804		
GI Descrip.	(AC000098) Similar to Mycobacterium RlpF (gb\|Z84395). ESTs gb\|T75785,gb\|R30580,gb\|T04698 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90678	Strand	+
Start	1	End	2362
Name	OJ000250_82.0320.C43.o1.gp	Method	AAT/GAP
Start	468	End	531
GI	64853_1.R1084	Score	102
Exons	468..531		
GI Descrip.	'4190974/dbj\|BAA74448\| 0.0e+00 (AB018442) phytochrome C [Oryza sativa]'		

Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90678	Strand	+
Start	1	End	2362
Name	OJ000250_82.0320.C43.o1.gs	Method	GENSCAN
Start	471	End	2362
GI	none	Score	.48
Exons	471..803, 1107..1478, 1483..1664, 2208..2362		

Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90679	Strand	+
Start	5074	End	7821
Name	OJ000250_82.0320.C43.o3.gs	Method	GENSCAN
Start	5074	End	7821
GI	none	Score	.56
Exons	5074..5108, 6337..6398, 6502..6553, 6977..7080, 7199..7821		

Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90679	Strand	+
Start	5074	End	7821
Name	OJ000250_82.0320.C43.o3.gp	Method	AAT/GAP
Start	6557	End	7612
GI	29724_1.R1084	Score	1121

Exons	6557..6684, 6996..7080, 7199..7612		
GI Descrip.	'2388578 9.0e-12 (AC000098) Similar to Mycobacterium RlpF (gb_Z84395). ESTs gb_T75785,gb_R30580,gb_T04698 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90680	Strand	-
Start	632	End	1067
Name	OJ000250_82.0320.C43.o2.gp	Method	AAT/GAP
Start	632	End	1067
GI	3766974	Score	838
Exons	632..1067		
GI Descrip.	2388578 9.0e-12 (AC000098) Similar to Mycobacterium RlpF (gb_Z84395). ESTs gb_T75785,gb_R30580,gb_T04698 come from this gene. [Arabidopsis thaliana]		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90681	Strand	-
Start	2869	End	3702
Name	OJ000250_82.0320.C43.o2.gs	Method	GENSCAN
Start	2869	End	3702
GI	none	Score	.93
Exons	2869..3338, 3564..3702		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90682	Strand	-
Start	6227	End	7827
Name	OJ000250_82.0320.C43.o1.tc	Method	TBLASTX:Cress
Start	468	End	806
GI	none	Score	449
Exons	468..806, 469..771		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90682	Strand	-
Start	6227	End	7827
Name	OJ000250_82.0320.C43.o1.ts	Method	TBLASTX:Soybean
Start	468	End	824
GI	none	Score	468
Exons	468..806, 469..771, 500..805, 507..824, 686..823		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90682	Strand	-
Start	6227	End	7827
Name	OJ000250_82.0320.C43.o1.tm	Method	TBLASTX:Maize
Start	541	End	820
GI	none	Score	366
Exons	541..771, 541..771, 543..809, 692..820		
Seq. No.	43296	Seq. ID	OJ000250_82.0320.C43
Gene No.	90682	Strand	-
Start	6227	End	7827
Name	OJ000250_82.0320.C43.o2.np	Method	AAT/NAP
Start	6227	End	7827
GI	7508913	Score	92
Exons	6227..6392, 7345..7827		
GI Descrip.	hypothetical protein W03G1.5 - Caenorhabditis elegans gi\|4262637\|gb\|AAD14753.1\| (AF125964) contains similarity to		

collagens [Caenorhabditis elegans]

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90683	Strand	+
Start	77	End	1850
Name	OJ000250_82.0320.C44.o1.gs	Method	GENSCAN
Start	77	End	1850
GI	none	Score	.46
Exons	77..155, 1229..1345, 1780..1850		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90684	Strand	+
Start	11562	End	17421
Name	OJ000250_82.0320.C44.o3.gs	Method	GENSCAN
Start	11562	End	17154
GI	none	Score	.55
Exons	11562..11627, 12031..12090, 12213..12308, 12899..14750, 14855..15671, 16065..16358, 16917..17154		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90684	Strand	+
Start	11562	End	17421
Name	OJ000250_82.0320.C44.o2.gp	Method	AAT/GAP
Start	12390	End	17421
GI	4190973	Score	7865
Exons	12390..14750, 14855..15671, 16065..16358, 16917..17421		
GI Descrip.	4190974/dbj\|BAA74448\| 0.0e+00 (AB018442) phytochrome C [Oryza sativa]		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90684	Strand	+
Start	11562	End	17421
Name	OJ000250_82.0320.C44.o1.np	Method	AAT/NAP
Start	12688	End	17151
GI	4190974	Score	5726
Exons	12688..14750, 14855..15671, 16065..16358, 16917..17151		
GI Descrip.	(AB018442) phytochrome C [Oryza sativa]		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90685	Strand	-
Start	3681	End	4478
Name	OJ000250_82.0320.C44.o1.gp	Method	AAT/GAP
Start	3681	End	4478
GI	30421_1.R1084	Score	1319
Exons	3681..3965, 4053..4478		
GI Descrip.	'5295982/dbj\|BAA81882.1\| 4.0e-10 (AB003324) MADS box-like protein [Oryza sativa]'		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o3.tm	Method	TBLASTX:Maize
Start	12495	End	13093
GI	none	Score	38
Exons	12495..12581, 12540..12560, 12633..12674, 12677..12724, 12693..12719, 12725..12835, 12774..12836, 12836..13093, 12836..13093		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o1.tc	Method	TBLASTX:Cress
Start	12725	End	17106
GI	none	Score	64
Exons	12725..12835, 12780..12836, 12872..13714, 13006..13335, 13383..13562, 13399..13686, 13758..13949, 13762..14148, 13763..14308, 13775..14281, 14212..14313, 14298..14447, 14306..14452, 14314..14445, 14513..14752, 14516..14734, 14548..14757, 14836..15291, 14853..15287, 14860..15309, 14991..15320, 15297..15665, 15298..15669, 16063..16233, 16066..16284, 16086..16241, 16094..16255, 16294..16359, 16902..16967, 16915..16971, 16974..17030, 16981..17037, 17037..17102, 17041..17106		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o1.ts	Method	TBLASTX:Soybean
Start	12780	End	17109
GI	none	Score	57
Exons	12780..12836, 12908..12949, 12950..13714, 13018..13335, 13253..13591, 13386..13592, 13399..13686, 13732..13860, 13751..13939, 13759..13860, 13772..13966, 13936..14148, 13946..14320, 14079..14204, 14224..14319, 14295..14429, 14309..14503, 14309..14428, 14317..14430, 14513..14752, 14513..14647, 14542..14757, 14854..15663, 14913..15662, 16066..16269, 16080..16250, 16918..17109		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o2.tm	Method	TBLASTX:Maize
Start	13120	End	13714
GI	none	Score	741
Exons	13120..13332, 13121..13714, 13277..13594, 13399..13686		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o5.tm	Method	TBLASTX:Maize
Start	13716	End	13869
GI	none	Score	152
Exons	13716..13862, 13736..13861, 13738..13869, 13751..13864		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o1.tm	Method	TBLASTX:Maize
Start	13886	End	15539
GI	none	Score	936
Exons	13886..14470, 13886..14461, 14241..14462, 14469..14564, 14471..14752, 14472..14750, 14480..14752, 14820..15539, 14842..15537, 14913..15539		

Seq. No.	43297	Seq. ID	OJ000250_82.0320.C44
Gene No.	90686	Strand	
Start	12495	End	17164
Name	OJ000250_82.0320.C44.o4.tm	Method	TBLASTX:Maize
Start	15559	End	17164
GI	none	Score	166
Exons	15559..15669, 15560..15670, 15561..15671, 15563..15673, 16064..16270, 16065..16358, 16065..16358, 16066..16359, 16310..16360, 16911..17114, 16915..17154, 16915..17154, 16916..17164		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90687	Strand	+
Start	415	End	4671
Name	OJ000250_82.0320.C45.o1.gs	Method	GENSCAN
Start	415	End	4054
GI	none	Score	.4
Exons	415..570, 674..951, 1136..1212, 1312..1568, 1803..1819, 3175..3280, 3911..4054		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90687	Strand	+
Start	415	End	4671
Name	OJ000250_82.0320.C45.o1.np	Method	AAT/NAP
Start	892	End	4462
GI	7270975	Score	715
Exons	892..1049, 1139..1204, 1298..1400, 1495..1579, 2103..2178, 2266..2302, 2778..2825, 2918..2976, 3066..3097, 3175..3280, 3672..3792, 3911..3974, 4336..4462		
GI Descrip.	(AJ251989) putative topoisomerase VIA [Arabidopsis thaliana]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90687	Strand	+
Start	415	End	4671
Name	OJ000250_82.0320.C45.o1.gp	Method	AAT/GAP
Start	3639	End	4671
GI	1674_1.R1084	Score	1013
Exons	3639..3792, 3911..3974, 4336..4671		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 2.0e-12 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90688	Strand	+
Start	5747	End	5838
Name	OJ000250_82.0320.C45.o2.gp	Method	AAT/GAP
Start	5747	End	5838
GI	2801250	Score	136
Exons	5747..5838		
GI Descrip.	729478/sp\|P41344\|FENR_ORYSA 6.0e-44 FERREDOXIN--NADP REDUCTASE, LEAF ISOZYME PRECURSOR (FNR) >gi_442481_dbj_BAA04616_ (D17790) ferredoxin-NADP+ reductase [Oryza sativa] >gi_6069649_dbj_BAA85425.1_ (AP000616) ESTs AU078647(E1557),C72400(E1557) correspond to a region of the predicted gene.; similar to ferredoxin-NADP+ reductase (D17790) [Oryza sativa]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45

Gene No.	90689	Strand	+
Start	14165	End	16869
Name	OJ000250_82.0320.C45.o3.gp	Method	AAT/GAP
Start	14117	End	14492
GI	4715129	Score	666
Exons	14117..14492		
GI Descrip.	2224810/emb\|CAB09698\| 1.0e-14 (Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90689	Strand	+
Start	14165	End	16869
Name	OJ000250_82.0320.C45.o3.gs	Method	GENSCAN
Start	14165	End	16869
GI	none	Score	.5
Exons	14165..14690, 14996..15392, 16007..16051, 16398..16869		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90689	Strand	+
Start	14165	End	16869
Name	OJ000250_82.0320.C45.o3.np	Method	AAT/NAP
Start	14165	End	15579
GI	7435799	Score	1305
Exons	14165..14630, 14996..15579		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) - barley gi\|2224810\|emb\|CAB09698.1\| (Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90689	Strand	+
Start	14165	End	16869
Name	OJ000250_82.0320.C45.o4.gp	Method	AAT/GAP
Start	14996	End	15227
GI	1631888	Score	388
Exons	14996..15227		
GI Descrip.	2224810/emb\|CAB09698\| 3.0e-33 (Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90689	Strand	+
Start	14165	End	16869
Name	OJ000250_82.0320.C45.o5.gp	Method	AAT/GAP
Start	15503	End	15970
GI	4715130	Score	840
Exons	15503..15970		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 2.0e-12 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90690	Strand	+
Start	18689	End	21992
Name	OJ000250_82.0320.C45.o5.gs	Method	GENSCAN
Start	18689	End	21992
GI	none	Score	.98
Exons	18689..20143, 20409..20522, 20669..20800, 21855..21992		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45

Gene No.	90690	Strand	+
Start	18689	End	21992
Name	OJ000250_82.0320.C45.o6.gp	Method	AAT/GAP
Start	18737	End	18992
GI	none	Score	435
Exons	18737..18992		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90691	Strand	-
Start	5811	End	6930
Name	OJ000250_82.0320.C45.o2.np	Method	AAT/NAP
Start	5811	End	6930
GI	7489262	Score	918
Exons	5811..5958, 6045..6930		
GI Descrip.	probable outward rectifying potassium channel KCO1 - potato gi\|3378661\|emb\|CAA73483.1\| (Y13048) putative outward rectifying potassium channel StKCO1 [Solanum tuberosum]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90692	Strand	-
Start	14986	End	38731
Name	OJ000250_82.0320.C45.o5.np	Method	AAT/NAP
Start	14986	End	32664
GI	6523547	Score	276
Exons	14986..15147, 15286..15551, 16454..16541, 16701..16870, 18521..18599, 18947..18974, 32275..32664		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90692	Strand	-
Start	14986	End	38731
Name	OJ000250_82.0320.C45.o4.gs	Method	GENSCAN
Start	17533	End	17710
GI	none	Score	.67
Exons	17533..17554, 17574..17710		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90692	Strand	-
Start	14986	End	38731
Name	OJ000250_82.0320.C45.o7.gp	Method	AAT/GAP
Start	22434	End	32275
GI	1084_1.R1084	Score	2605
Exons	22434..22918, 23408..23526, 23632..23673, 23884..23925, 24060..24159, 24248..24312, 26472..26550, 31804..32275		
GI Descrip.	'4204232 6.0e-83 (AF035378) MADS-box protein 1 [Lolium temulentum]'		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90692	Strand	-
Start	14986	End	38731
Name	OJ000250_82.0320.C45.o6.gs	Method	GENSCAN
Start	22810	End	38731
GI	none	Score	.4
Exons	22810..22918, 23408..23526, 23884..23925, 24060..24159, 24645..24706, 26472..26550, 31804..31914, 32198..32520, 35954..36019, 36038..36195, 37924..38002, 38666..38731		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90692	Strand	-
Start	14986	End	38731
Name	OJ000250_82.0320.C45.o4.np	Method	AAT/NAP
Start	22813	End	31988
GI	6606070	Score	1025
Exons	22813..22918, 23408..23526, 23632..23673, 23884..23925, 24060..24159, 24248..24312, 26472..26550, 31804..31988		
GI Descrip.	(AF058697) MADS14 protein [Oryza sativa]		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o3.tm	Method	TBLASTX:Maize
Start	792	End	1562
GI	none	Score	122
Exons	792..848, 945..1058, 946..1026, 1136..1222, 1137..1214, 1297..1407, 1299..1391, 1493..1561, 1494..1562, 1494..1562		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o1.tm	Method	TBLASTX:Maize
Start	5795	End	6646
GI	none	Score	125
Exons	5795..5959, 5796..5960, 5796..5957, 5843..5959, 6044..6607, 6045..6605, 6593..6646, 6611..6646		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o1.tc	Method	TBLASTX:Cress
Start	5814	End	6769
GI	none	Score	99
Exons	5814..5975, 5844..5975, 6044..6769, 6045..6680		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o2.ts	Method	TBLASTX:Soybean
Start	5841	End	6217
GI	none	Score	80
Exons	5841..5957, 5850..5972, 5999..6217		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o5.tm	Method	TBLASTX:Maize
Start	6667	End	6958
GI	none	Score	81
Exons	6667..6783, 6671..6781, 6741..6953, 6743..6952, 6829..6954, 6836..6958		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537

Name	OJ000250_82.0320.C45.o1.ts	Method	TBLASTX:Soybean
Start	14284	End	15579
GI	none	Score	145
Exons	14284..14406, 14285..14410, 14432..14500, 14567..14623, 14995..15096, 15100..15201, 15262..15495, 15270..15494, 15547..15579		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o2.tc	Method	TBLASTX:Cress
Start	14285	End	15576
GI	none	Score	92
Exons	14285..14398, 14417..14497, 14534..14632, 14985..15047, 14986..15099, 15097..15201, 15135..15197, 15262..15387, 15267..15389, 15393..15494, 15394..15495, 15547..15576		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o2.tw	Method	TBLASTX:Wheat
Start	14399	End	15495
GI	none	Score	54
Exons	14399..14479, 14552..14626, 14554..14622, 15001..15099, 15112..15201, 15271..15336, 15394..15438, 15442..15495		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o2.tm	Method	TBLASTX:Maize
Start	14539	End	15576
GI	none	Score	87
Exons	14539..14631, 14540..14632, 14985..15053, 14986..15201, 15135..15197, 15262..15495, 15264..15494, 15543..15575, 15544..15576		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o3.tw	Method	TBLASTX:Wheat
Start	20662	End	21980
GI	none	Score	128
Exons	20662..20793, 20666..20827, 20667..20801, 20698..20802, 21852..21980, 21853..21960, 21854..21976		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o6.tm	Method	TBLASTX:Maize
Start	20662	End	22011
GI	none	Score	99
Exons	20662..20802, 20666..20803, 20709..20801, 21864..21989, 21866..22006, 21869..21988, 21871..22011		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537

Name	OJ000250_82.0320.C45.o4.tm	Method	TBLASTX:Maize
Start	22783	End	31974
GI	none	Score	71
Exons	22783..22875, 22817..22891, 22861..22920, 23408..23467, 23408..23527, 23481..23528, 23629..23676, 23630..23674, 24061..24159, 24061..24162, 24137..24169, 24247..24312, 24248..24313, 24248..24313, 26472..26552, 26472..26549, 31792..31974, 31804..31950, 31806..31973		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o1.tw	Method	TBLASTX:Wheat
Start	23894	End	31974
GI	none	Score	36
Exons	23894..23926, 24036..24077, 24046..24162, 24061..24162, 24062..24169, 24229..24315, 24247..24312, 24251..24322, 26471..26548, 26472..26552, 31806..31973, 31807..31974		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o3.ts	Method	TBLASTX:Soybean
Start	26472	End	31974
GI	none	Score	195
Exons	26472..26549, 31804..31974, 31806..31973		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o3.tc	Method	TBLASTX:Cress
Start	26484	End	31974
GI	none	Score	183
Exons	26484..26549, 31792..31974, 31806..31973		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o7.gs	Method	GENSCAN
Start	39358	End	40419
GI	none	Score	.92
Exons	39358..39430, 39675..39808, 40209..40250, 40378..40419		

Seq. No.	43298	Seq. ID	OJ000250_82.0320.C45
Gene No.	90693	Strand	-
Start	39358	End	40537
Name	OJ000250_82.0320.C45.o6.np	Method	AAT/NAP
Start	39361	End	40537
GI	5295982	Score	417
Exons	39361..39430, 39675..39808, 40209..40250, 40378..40419, 40502..40537		
GI Descrip.	(AB003324) MADS box-like protein [Oryza sativa]		

Seq. No.	43299	Seq. ID	OJ000250_82.0320.C46
Gene No.	90694	Strand	-
Start	416	End	1551
Name	OJ000250_82.0320.C46.o1.gs	Method	GENSCAN

Start	416	End	720
GI	none	Score	.68
Exons	416..515, 659..720		

Seq. No.	43299	Seq. ID	OJ000250_82.0320.C46
Gene No.	90694	Strand	-
Start	416	End	1551
Name	OJ000250_82.0320.C46.o1.np	Method	AAT/NAP
Start	416	End	1551
GI	5295982	Score	173
Exons	416..515, 659..720, 1492..1551		
GI Descrip.	(AB003324) MADS box-like protein [Oryza sativa]		

Seq. No.	43300	Seq. ID	OJ000250_82.0320.C47
Gene No.	90695	Strand	-
Start	428	End	529
Name	OJ000250_82.0320.C47.o1.gs	Method	GENSCAN
Start	428	End	529
GI	none	Score	.67
Exons	428..529		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90696	Strand	+
Start	14539	End	18152
Name	OJ000250_82.0320.C49.o3.gs	Method	GENSCAN
Start	14539	End	18152
GI	none	Score	.42
Exons	14539..14667, 14819..14899, 15644..15750, 17996..18152		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90697	Strand	+
Start	42291	End	44684
Name	OJ000250_82.0320.C49.o8.np	Method	AAT/NAP
Start	42291	End	44684
GI	1351270	Score	93
Exons	42291..42352, 44127..44220, 44312..44377, 44467..44548, 44640..44684		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) gi\|478410\|pir\|\|JQ2255 triose-phosphate isomerase (EC 5.3.1.1) - rice gi\|169821\|gb\|AAA18541.1\| (M87064) triosephosphate isomerase [Oryza sativa]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90697	Strand	+
Start	42291	End	44684
Name	OJ000250_82.0320.C49.o7.np	Method	AAT/NAP
Start	42326	End	43620
GI	2246378	Score	68
Exons	42326..42367, 43441..43620		
GI Descrip.	(Z86094) plastid protein [Arabidopsis thaliana]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90698	Strand	-
Start	227	End	2202
Name	OJ000250_82.0320.C49.o1.np	Method	AAT/NAP
Start	227	End	1943
GI	5295982	Score	269

Exons	227..246, 589..646, 1759..1943		
GI Descrip.	(AB003324) MADS box-like protein [Oryza sativa]		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90698	Strand	-
Start	227	End	2202
Name	OJ000250_82.0320.C49.o1.gs	Method	GENSCAN
Start	1755	End	1943
GI	none	Score	.75
Exons	1755..1943		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90698	Strand	-
Start	227	End	2202
Name	OJ000250_82.0320.C49.o1.gp	Method	AAT/GAP
Start	1842	End	2202
GI	3061059	Score	714
Exons	1842..2202		
GI Descrip.	5295982/dbj\|BAA81882.1\| 4.0e-10 (AB003324) MADS box-like protein [Oryza sativa]		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90699	Strand	-
Start	2803	End	13026
Name	OJ000250_82.0320.C49.o2.gs	Method	GENSCAN
Start	2803	End	13026
GI	none	Score	.44
Exons	2803..2962, 2971..3019, 5983..6146, 6628..6956, 7156..7233, 8451..8756, 11557..13026		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90700	Strand	-
Start	14233	End	14685
Name	OJ000250_82.0320.C49.o2.np	Method	AAT/NAP
Start	14233	End	14685
GI	6539570	Score	165
Exons	14233..14299, 14479..14685		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o1.tw	Method	TBLASTX:Wheat
Start	1752	End	1954
GI	none	Score	143
Exons	1752..1943, 1771..1929, 1842..1943, 1889..1954		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o2.tm	Method	TBLASTX:Maize
Start	1759	End	1943
GI	none	Score	244
Exons	1759..1929, 1761..1943, 1842..1943		
Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-

Start	16800	End	44904
Name	OJ000250_82.0320.C49.o2.tc	Method	TBLASTX:Cress
Start	1761	End	1946
GI	none	Score	146
Exons	1761..1946, 1762..1929		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o1.ts	Method	TBLASTX:Soybean
Start	1767	End	1946
GI	none	Score	134
Exons	1767..1943, 1789..1929, 1845..1946		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o3.np	Method	AAT/NAP
Start	16800	End	20122
GI	6721512	Score	40
Exons	16800..16843, 18191..18215, 18258..18388, 18416..18507, 20102..20122		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o4.gs	Method	GENSCAN
Start	19919	End	42749
GI	none	Score	.43
Exons	19919..19978, 25096..25148, 25482..26936, 26979..27139, 27436..27554, 28136..28251, 28294..28538, 32995..33107, 33142..33344, 33684..33968, 34020..34059, 34339..34586, 35509..35567, 35931..36145, 37704..37862, 38005..38192, 38478..38980, 40508..40689, 40831..41014, 41037..41255, 41819..41983, 42070..42250, 42737..42749		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o2.gp	Method	AAT/GAP
Start	24885	End	26252
GI	none	Score	1834
Exons	24885..25148, 25482..26252		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o3.gp	Method	AAT/GAP
Start	26575	End	27033
GI	none	Score	840
Exons	26575..27033		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o4.gp	Method	AAT/GAP

Start	32978	End	33506
GI	none	Score	1011
Exons	32978..33506		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o4.np	Method	AAT/NAP
Start	35257	End	35628
GI	5922628	Score	138
Exons	35257..35628		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016861\|dbj\|BAA85204.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o1.tc	Method	TBLASTX:Cress
Start	38473	End	38763
GI	none	Score	231
Exons	38473..38763, 38474..38728		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o1.tm	Method	TBLASTX:Maize
Start	38474	End	38784
GI	none	Score	310
Exons	38474..38728, 38479..38784		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o5.np	Method	AAT/NAP
Start	38478	End	39467
GI	7484804	Score	322
Exons	38478..38764, 39286..39467		
GI Descrip.	amidotransferase (EC 2.4.2.-) / cyclase - Arabidopsis thaliana gi\|4455213\|emb\|CAB36536.1\| (AL035440) glutamine amidotransferase/cyclase [Arabidopsis thaliana] gi\|7269543\|emb\|CAB79545.1\| (AL161566) glutamine amidotransferase/cyclase [Arabidopsis thaliana]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o2.ts	Method	TBLASTX:Soybean
Start	38584	End	38763
GI	none	Score	105
Exons	38584..38763, 38591..38731		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o6.np	Method	AAT/NAP
Start	40748	End	44639

GI	6539570	Score	75
Exons	40748..40817, 41286..41719, 44610..44639		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43301	Seq. ID	OJ000250_82.0320.C49
Gene No.	90701	Strand	-
Start	16800	End	44904
Name	OJ000250_82.0320.C49.o5.gp	Method	AAT/GAP
Start	44447	End	44904
GI	LIB3431-009-P1-N1-E2	Score	845
Exons	44447..44904		
GI Descrip.	'5734704/gb\|AAD49969.1\|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	43302	Seq. ID	OJ000250_70.0303.C2
Gene No.	90702	Strand	+
Start	895	End	1758
Name	OJ000250_70.0303.C2.o1.gs	Method	GENSCAN
Start	895	End	1758
GI	none	Score	.48
Exons	895..936, 1125..1168, 1708..1758		

Seq. No.	43302	Seq. ID	OJ000250_70.0303.C2
Gene No.	90703	Strand	-
Start	2362	End	2878
Name	OJ000250_70.0303.C2.o2.gs	Method	GENSCAN
Start	2362	End	2878
GI	none	Score	.47
Exons	2362..2551, 2708..2878		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90704	Strand	+
Start	1	End	5892
Name	OJ000250_70.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	1556
GI	2982283	Score	94
Exons	1..27, 960..1183, 1365..1556		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90704	Strand	+
Start	1	End	5892
Name	OJ000250_70.0303.C3.o1.gs	Method	GENSCAN
Start	1082	End	5432
GI	none	Score	.54
Exons	1082..1334, 1381..1447, 2721..2886, 2974..3000, 3916..4149, 4238..4285, 4389..4445, 4528..4629, 4961..5026, 5145..5246, 5319..5432		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90704	Strand	+
Start	1	End	5892
Name	OJ000250_70.0303.C3.o1.gp	Method	AAT/GAP
Start	4950	End	5892
GI	13803_1.R1084	Score	953

Exons	4950..5026, 5145..5246, 5319..5441, 5641..5892		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90705	Strand	+
Start	19116	End	19499
Name	OJ000250_70.0303.C3.o4.gs	Method	GENSCAN
Start	19116	End	19499
GI	none	Score	.99
Exons	19116..19499		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90706	Strand	+
Start	26652	End	35139
Name	OJ000250_70.0303.C3.o6.gs	Method	GENSCAN
Start	26652	End	35139
GI	none	Score	.75
Exons	26652..26736, 26817..26942, 27259..27418, 27635..27666, 28979..29115, 29256..29505, 30350..34510, 34940..35139		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90706	Strand	+
Start	26652	End	35139
Name	OJ000250_70.0303.C3.o3.np	Method	AAT/NAP
Start	30358	End	34527
GI	7489738	Score	4439
Exons	30358..30518, 30561..34527		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi\|4234852\|gb\|AAD12997.1\| (AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90707	Strand	+
Start	43896	End	45970
Name	OJ000250_70.0303.C3.o8.gs	Method	GENSCAN
Start	43896	End	45970
GI	none	Score	.63
Exons	43896..43971, 44391..44648, 45383..45543, 45644..45970		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90708	Strand	+
Start	46843	End	51701
Name	OJ000250_70.0303.C3.o9.gs	Method	GENSCAN
Start	46843	End	50923
GI	none	Score	.75
Exons	46843..47253, 47385..47561, 47690..47814, 47882..48014, 48119..48268, 48358..48411, 49979..50080, 50132..50923		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90708	Strand	+
Start	46843	End	51701
Name	OJ000250_70.0303.C3.o5.np	Method	AAT/NAP
Start	46855	End	51572
GI	4850399	Score	1597
Exons	46855..47253, 47385..47561, 47690..47814, 47882..48014, 48119..48268, 48358..48411, 48681..48785, 49119..49178, 49274..49348, 49432..49485, 49979..50104, 50159..50363,		

	50433..50845, 50942..50980, 51014..51073, 51172..51279, 51426..51572		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90708	Strand	+
Start	46843	End	51701
Name	OJ000250_70.0303.C3.o8.gp	Method	AAT/GAP
Start	49991	End	50427
GI	427365	Score	681
Exons	49991..50080, 50159..50427		
GI Descrip.	4850399/gb\|AAD31069.1\|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90708	Strand	+
Start	46843	End	51701
Name	OJ000250_70.0303.C3.o9.gp	Method	AAT/GAP
Start	51239	End	51701
GI	2442924	Score	560
Exons	51239..51279, 51426..51701		
GI Descrip.	5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90709	Strand	+
Start	52406	End	55156
Name	OJ000250_70.0303.C3.o10.gp	Method	AAT/GAP
Start	52406	End	52862
GI	17023_1.R1084	Score	422
Exons	52406..52540, 52704..52862		
GI Descrip.	'4508073/gb\|AAD21417.1\| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90709	Strand	+
Start	52406	End	55156
Name	OJ000250_70.0303.C3.o6.np	Method	AAT/NAP
Start	52423	End	54865
GI	5852933	Score	343
Exons	52423..52540, 52704..52870, 53579..53757, 54045..54233, 54344..54594, 54685..54865		
GI Descrip.	(AF167556) dihydroflavonol-4-reductase DFR1 [Glycine max]		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90709	Strand	+
Start	52406	End	55156
Name	OJ000250_70.0303.C3.o11.gs	Method	GENSCAN
Start	52709	End	55156
GI	none	Score	.6
Exons	52709..52870, 53579..53788, 54092..54201, 54336..54480, 54518..54570, 54661..54782, 55071..55156		
Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90710	Strand	-
Start	6146	End	10576
Name	OJ000250_70.0303.C3.o2.gs	Method	GENSCAN

Start	6146	End	10576
GI	none	Score	.79
Exons	6146..6198, 6212..6287, 6397..6486, 6544..6620, 6724..6929, 7930..8060, 8427..8458, 8622..8734, 8986..9290, 9393..9478, 9595..9670, 10247..10576		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90710	Strand	-
Start	6146	End	10576
Name	OJ000250_70.0303.C3.o2.gp	Method	AAT/GAP
Start	8020	End	9177
GI	none	Score	651
Exons	8020..8060, 8427..8458, 8622..8734, 8986..9177		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90711	Strand	-
Start	11618	End	18479
Name	OJ000250_70.0303.C3.o3.gs	Method	GENSCAN
Start	11618	End	18479
GI	none	Score	.8
Exons	11618..12398, 13456..13484, 13541..13750, 13840..14346, 14607..14828, 15299..15429, 15982..16990, 17075..17149, 17240..17311, 17398..17573, 17739..17891, 17984..18479		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90711	Strand	-
Start	11618	End	18479
Name	OJ000250_70.0303.C3.o2.np	Method	AAT/NAP
Start	13488	End	17316
GI	2443887	Score	1459
Exons	13488..13750, 13840..14355, 14646..14828, 15299..15429, 15982..16673, 16800..16990, 17075..17149, 17240..17316		
GI Descrip.	(AC002294) Similar to transcription factor gb\|Z46606\|1658307 and others [Arabidopsis thaliana]		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90712	Strand	-
Start	20924	End	25936
Name	OJ000250_70.0303.C3.o5.gs	Method	GENSCAN
Start	20924	End	25936
GI	none	Score	.61
Exons	20924..21443, 22349..22464, 22862..23023, 23392..23514, 23931..24158, 25706..25936		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90712	Strand	-
Start	20924	End	25936
Name	OJ000250_70.0303.C3.o3.gp	Method	AAT/GAP
Start	22594	End	24162
GI	21070_1.R1084	Score	1452
Exons	22594..23023, 23392..23514, 23931..24162		
GI Descrip.	'4928460/gb\|AAD33596.1\|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90712	Strand	-
Start	20924	End	25936

Name	OJ000250_70.0303.C3.o4.gp	Method	AAT/GAP
Start	25159	End	25625
GI	none	Score	875
Exons	25159..25625		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90713	Strand	-
Start	36897	End	41761
Name	OJ000250_70.0303.C3.o7.gs	Method	GENSCAN
Start	36897	End	41719
GI	none	Score	.96
Exons	36897..37040, 37498..37599, 37692..37796, 37878..37982, 38138..38219, 38507..38709, 38787..38945, 39298..39407, 39517..39658, 39797..39943, 40026..40100, 40176..40385, 40476..40679, 40767..40886, 40996..41105, 41286..41430, 41519..41719		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90713	Strand	-
Start	36897	End	41761
Name	OJ000250_70.0303.C3.o5.gp	Method	AAT/GAP
Start	37101	End	37920
GI	25545_1.R1084	Score	1247
Exons	37101..37599, 37692..37796, 37878..37920		
GI Descrip.	'1170619/sp\|Q07970\|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90713	Strand	-
Start	36897	End	41761
Name	OJ000250_70.0303.C3.o4.np	Method	AAT/NAP
Start	37423	End	41761
GI	7267279	Score	1582
Exons	37423..37599, 37692..37796, 37878..37982, 38138..38219, 38507..38709, 38787..38945, 39298..39407, 39517..39658, 39797..39943, 40026..40100, 40176..40385, 40476..40679, 40767..40886, 40996..41105, 41286..41430, 41525..41761		
GI Descrip.	(AL161503) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90713	Strand	-
Start	36897	End	41761
Name	OJ000250_70.0303.C3.o6.gp	Method	AAT/GAP
Start	40848	End	41713
GI	uC-osf1M202097d05b1	Score	874
Exons	40848..40886, 40996..41105, 41286..41430, 41519..41713		
GI Descrip.	'1170620/sp\|P46864\|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3

Gene No.	90714	Strand	-
Start	41839	End	42201
Name	OJ000250_70.0303.C3.o7.gp	Method	AAT/GAP
Start	41839	End	42201
GI	63359_1.R1084	Score	645
Exons	41839..42201		
GI Descrip.	'5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o5.tm	Method	TBLASTX:Maize
Start	2797	End	5837
GI	none	Score	146
Exons	2797..2898, 2797..2886, 2801..2935, 3914..4099, 3914..4093, 4080..4148, 4096..4158, 4098..4148, 4108..4152, 4232..4303, 4240..4284, 4391..4441, 4392..4445, 4392..4445, 4393..4446, 4515..4586, 4523..4621, 4524..4616, 4525..4626, 4958..5026, 4960..5019, 4963..5043, 4964..5029, 5136..5246, 5144..5245, 5313..5432, 5318..5431, 5320..5442, 5659..5739, 5660..5740, 5722..5748, 5723..5746, 5805..5837		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o6.ts	Method	TBLASTX:Soybean
Start	4078	End	5420
GI	none	Score	42
Exons	4078..4143, 4080..4145, 4108..4146, 4232..4288, 4240..4293, 4241..4303, 4388..4441, 4389..4487, 4404..4445, 4525..4626, 4527..4586, 4570..4635, 4958..5032, 5129..5245, 5136..5246, 5309..5413, 5313..5420, 5318..5413		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o4.tc	Method	TBLASTX:Cress
Start	4241	End	5420
GI	none	Score	65
Exons	4241..4303, 4243..4287, 4388..4444, 4389..4487, 4522..4626, 4525..4626, 4536..4634, 4538..4627, 4958..5029, 5129..5230, 5133..5246, 5136..5246, 5313..5420, 5318..5413, 5319..5414		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o6.tm	Method	TBLASTX:Maize
Start	6180	End	8061
GI	none	Score	105
Exons	6180..6287, 6189..6290, 6394..6456, 6398..6454, 6539..6628, 6544..6630, 6544..6621, 6720..6794, 6722..6796, 6722..6796, 6849..6926, 6860..6925, 7060..7110, 7063..7119, 7064..7141, 7225..7317, 7242..7289, 7434..7583, 7494..7580, 7495..7584, 7927..7992, 7927..7992, 7929..8006, 7932..8012, 8004..8060, 8005..8061, 8017..8061		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o3.tw	Method	TBLASTX:Wheat
Start	6827	End	7296
GI	none	Score	117
Exons	6827..6952, 6831..6941, 6847..6942, 6968..7024, 6971..7024, 7006..7134, 7055..7138, 7056..7139, 7068..7142, 7229..7294, 7230..7292, 7231..7296		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o9.tm	Method	TBLASTX:Maize
Start	9094	End	10347
GI	none	Score	227
Exons	9094..9291, 9115..9291, 9165..9299, 9389..9481, 9390..9479, 9392..9481, 9580..9672, 9593..9673, 10240..10347, 10247..10321		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o12.ts	Method	TBLASTX:Soybean
Start	11777	End	12127
GI	none	Score	57
Exons	11777..11842, 11933..12127		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	13021	End	15431
GI	none	Score	125
Exons	13021..13140, 13022..13183, 13539..13751, 13541..13753, 13609..13752, 13789..14082, 13837..14085, 13838..14098, 13838..14089, 13839..14090, 14143..14346, 14171..14347, 14172..14363, 14245..14364, 14606..14689, 14607..14825, 14619..14822, 15293..15430, 15294..15431, 15299..15430		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	13021	End	13753
GI	none	Score	110
Exons	13021..13140, 13031..13141, 13538..13717, 13541..13753, 13545..13751		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o10.ts	Method	TBLASTX:Soybean
Start	13637	End	14354
GI	none	Score	68
Exons	13637..13765, 13640..13714, 13644..13751, 13660..13755, 13837..13989, 13838..13987, 14173..14349, 14207..14350, 14265..14354, 14300..14350		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o11.ts	Method	TBLASTX:Soybean
Start	14607	End	14845
GI	none	Score	105
Exons	14607..14831, 14667..14831, 14741..14845		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o5.ts	Method	TBLASTX:Soybean
Start	15288	End	16202
GI	none	Score	99
Exons	15288..15446, 15293..15427, 15972..16202, 15974..16201		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o7.tm	Method	TBLASTX:Maize
Start	16079	End	16498
GI	none	Score	183
Exons	16079..16438, 16089..16289, 16430..16498, 16434..16496		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	16088	End	16519
GI	none	Score	250
Exons	16088..16306, 16089..16304, 16090..16305, 16367..16426, 16412..16519, 16434..16517		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o17.tm	Method	TBLASTX:Maize
Start	16530	End	17156
GI	none	Score	172
Exons	16530..16730, 16532..16705, 16868..16993, 16868..16888, 16890..16991, 16892..16993, 16896..16994, 17075..17152, 17076..17156		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o18.tm	Method	TBLASTX:Maize
Start	22786	End	24051
GI	none	Score	40
Exons	22786..22812, 22790..22819, 22890..23024, 22895..23029, 23149..23181, 23928..24044, 23929..24051		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o16.tm	Method	TBLASTX:Maize

Start	23388	End	23526
GI	none	Score	151
Exons	23388..23522, 23389..23526, 23389..23514, 23409..23522		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	30450	End	31461
GI	none	Score	588
Exons	30450..31028, 30451..31059, 31069..31200, 31140..31181, 31305..31355, 31396..31461		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o6.tw	Method	TBLASTX:Wheat
Start	31381	End	31818
GI	none	Score	110
Exons	31381..31578, 31648..31818		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	31675	End	32061
GI	none	Score	344
Exons	31675..32061, 31686..31892		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	31837	End	32499
GI	none	Score	252
Exons	31837..32076, 31851..32075, 32116..32421, 32139..32399, 32400..32474, 32401..32499		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o13.tm	Method	TBLASTX:Maize
Start	31852	End	32310
GI	none	Score	128
Exons	31852..32076, 32125..32310, 32127..32288		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o7.tc	Method	TBLASTX:Cress
Start	32116	End	32496
GI	none	Score	127
Exons	32116..32316, 32329..32496		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689

Name	OJ000250_70.0303.C3.o7.ts	Method	TBLASTX:Soybean
Start	32116	End	32502
GI	none	Score	190
Exons	32116..32325, 32118..32297, 32329..32502		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	33013	End	33450
GI	5509260	Score	365
Exons	33013..33450, 33102..33374, 33417..33449		
GI Descrip.	-		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o6.tc	Method	TBLASTX:Cress
Start	33100	End	33360
GI	none	Score	249
Exons	33100..33360, 33102..33338		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	33141	End	33921
GI	none	Score	364
Exons	33141..33488, 33142..33486, 33142..33495, 33471..33917, 33472..33921		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o12.tm	Method	TBLASTX:Maize
Start	33142	End	33585
GI	none	Score	275
Exons	33142..33450, 33159..33449, 33484..33585		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o11.tm	Method	TBLASTX:Maize
Start	33586	End	34017
GI	none	Score	81
Exons	33586..33747, 33721..34017, 33861..34016		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o9.ts	Method	TBLASTX:Soybean
Start	33907	End	34473
GI	none	Score	131
Exons	33907..34089, 34102..34293, 34282..34473		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-

Start	51412	End	53689
Name	OJ000250_70.0303.C3.o20.tm	Method	TBLASTX:Maize
Start	34030	End	34488
GI	none	Score	55
Exons	34030..34089, 34072..34248, 34297..34488		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o4.tw	Method	TBLASTX:Wheat
Start	34077	End	34476
GI	none	Score	278
Exons	34077..34310, 34081..34476		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	37414	End	41433
GI	none	Score	173
Exons	37414..37623, 37460..37609, 37692..37799, 37699..37797, 37878..37985, 37882..37989, 38138..38224, 38139..38225, 38506..38634, 38635..38715, 38666..38713, 38778..38888, 38785..38877, 38883..38948, 39280..39417, 39290..39433, 39515..39613, 39602..39658, 39795..39941, 39797..39946, 40027..40101, 40176..40379, 40473..40670, 40537..40665, 41296..41433		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	37417	End	37913
GI	none	Score	175
Exons	37417..37623, 37448..37609, 37692..37796, 37699..37797, 37881..37913, 37882..37911		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o10.tm	Method	TBLASTX:Maize
Start	37550	End	37985
GI	none	Score	68
Exons	37550..37609, 37552..37623, 37686..37793, 37692..37796, 37699..37797, 37702..37800, 37876..37938, 37881..37985, 37882..37971		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o4.ts	Method	TBLASTX:Soybean
Start	38500	End	39604
GI	none	Score	104
Exons	38500..38625, 38504..38623, 38662..38715, 38669..38713, 38778..38888, 38785..38871, 38868..38948, 38889..38966, 39274..39393, 39280..39408, 39290..39397, 39297..39401, 39512..39604		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o8.tm	Method	TBLASTX:Maize
Start	38639	End	38974
GI	none	Score	122
Exons	38639..38713, 38640..38714, 38640..38714, 38778..38948, 38787..38948, 38789..38974		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	39288	End	41656
GI	none	Score	49
Exons	39288..39338, 39336..39353, 39373..39417, 39374..39409, 39510..39563, 39515..39658, 39600..39659, 39794..39850, 39797..39841, 39842..39949, 39843..39944, 39844..39948, 39997..40101, 40039..40101, 40043..40105, 40070..40111, 40122..40379, 40174..40380, 40176..40406, 40205..40423, 40470..40679, 40474..40680, 40479..40685, 40758..40886, 40765..40833, 40769..40888, 40993..41106, 41011..41106, 41285..41431, 41287..41433, 41306..41431, 41519..41656, 41526..41648		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o13.ts	Method	TBLASTX:Soybean
Start	40263	End	40644
GI	none	Score	70
Exons	40263..40379, 40470..40643, 40534..40644		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o19.tm	Method	TBLASTX:Maize
Start	46836	End	47001
GI	none	Score	199
Exons	46836..46949, 46837..47001		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o5.tc	Method	TBLASTX:Cress
Start	46912	End	47244
GI	none	Score	114
Exons	46912..47043, 47074..47244		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o8.ts	Method	TBLASTX:Soybean
Start	47444	End	47824
GI	none	Score	161
Exons	47444..47545, 47445..47561, 47675..47824, 47692..47814		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o15.tm	Method	TBLASTX:Maize
Start	47687	End	47978
GI	none	Score	216
Exons	47687..47845, 47687..47815, 47688..47816, 47692..47841, 47879..47917, 47880..47924, 47883..47978, 47884..47970		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o4.tm	Method	TBLASTX:Maize
Start	48197	End	51219
GI	none	Score	103
Exons	48197..48268, 48199..48261, 48355..48414, 48356..48412, 48357..48413, 48461..48511, 48687..48785, 48688..48792, 48689..48784, 49113..49181, 49113..49178, 49253..49351, 49274..49348, 49429..49488, 49431..49484, 49431..49520, 49977..50057, 49980..50036, 49981..50091, 49981..50082, 49982..50092, 50156..50362, 50157..50360, 50159..50371, 50361..50465, 50366..50449, 50478..50546, 50616..50846, 50616..50849, 50916..51074, 50965..51072, 50972..51079, 51172..51219		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o14.ts	Method	TBLASTX:Soybean
Start	49146	End	50083
GI	none	Score	57
Exons	49146..49181, 49253..49351, 49274..49348, 49429..49485, 49432..49482, 49978..50082, 49982..50083		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o10.gs	Method	GENSCAN
Start	51412	End	52587
GI	none	Score	.56
Exons	51412..51477, 52171..52309, 52415..52587		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o14.tm	Method	TBLASTX:Maize
Start	52380	End	53656
GI	none	Score	114
Exons	52380..52547, 52434..52538, 52438..52548, 52702..52866, 52703..52870, 52706..52873, 53570..53656, 53576..53656		

Seq. No.	43303	Seq. ID	OJ000250_70.0303.C3
Gene No.	90715	Strand	-
Start	51412	End	53689
Name	OJ000250_70.0303.C3.o5.tw	Method	TBLASTX:Wheat
Start	52452	End	53689

GI	none	Score	117
Exons	52452..52544, 52453..52545, 52706..52852, 52707..52814, 52711..52866, 52712..52870, 53576..53689, 53605..53688		

Seq. No.	43304	Seq. ID	OJ000250_70.0303.C4
Gene No.	90716	Strand	-
Start	714	End	815
Name	OJ000250_70.0303.C4.o1.gs	Method	GENSCAN
Start	714	End	815
GI	none	Score	.96
Exons	714..815		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90717	Strand	+
Start	227	End	3729
Name	OJ000250_70.0303.C7.o1.np	Method	AAT/NAP
Start	227	End	3726
GI	5803259	Score	4516
Exons	227..377, 619..1729, 1827..3726		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90717	Strand	+
Start	227	End	3729
Name	OJ000250_70.0303.C7.o1.gs	Method	GENSCAN
Start	693	End	3729
GI	none	Score	.83
Exons	693..1729, 1827..3729		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o2.gs	Method	GENSCAN
Start	4369	End	11119
GI	none	Score	.61
Exons	4369..4815, 4825..7896, 7915..8097, 8176..10542, 10599..10703, 11063..11119		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o2.np	Method	AAT/NAP
Start	4372	End	10524
GI	7228457	Score	9383
Exons	4372..5922, 5989..7140, 7263..8097, 8161..10096, 10158..10524		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o6.tw	Method	TBLASTX:Wheat
Start	4381	End	4983
GI	none	Score	74
Exons	4381..4506, 4385..4507, 4681..4983, 4700..4978		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	4984	End	9613
GI	none	Score	169
Exons	4984..5364, 5015..5263, 5023..5364, 5309..5365, 9533..9613		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	5140	End	5502
GI	none	Score	192
Exons	5140..5187, 5179..5502, 5192..5473		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o8.tw	Method	TBLASTX:Wheat
Start	5695	End	6007
GI	none	Score	60
Exons	5695..5955, 5909..6007		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	6010	End	6572
GI	none	Score	88
Exons	6010..6159, 6011..6148, 6013..6150, 6194..6379, 6220..6429, 6220..6444, 6552..6572		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	7069	End	7440
GI	none	Score	89
Exons	7069..7440, 7280..7423		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	7099	End	7519
GI	none	Score	310
Exons	7099..7518, 7106..7519		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	7192	End	7576
GI	none	Score	226
Exons	7192..7575, 7211..7576		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	7603	End	7959
GI	none	Score	133
Exons	7603..7908, 7603..7959, 7613..7924		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	7627	End	8090
GI	none	Score	219
Exons	7627..8088, 7633..8088, 7634..8089, 7647..8090		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	7684	End	8049
GI	none	Score	111
Exons	7684..7818, 7825..8049		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	8281	End	8740
GI	none	Score	175
Exons	8281..8739, 8285..8545, 8603..8740		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o4.tm	Method	TBLASTX:Maize
Start	9580	End	9865
GI	none	Score	108
Exons	9580..9828, 9581..9865		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o7.tw	Method	TBLASTX:Wheat
Start	9614	End	9870
GI	none	Score	77
Exons	9614..9751, 9616..9735, 9718..9816, 9719..9811, 9823..9870		

Seq. No.	43305	Seq. ID	OJ000250_70.0303.C7
Gene No.	90718	Strand	-
Start	4369	End	11481
Name	OJ000250_70.0303.C7.o3.np	Method	AAT/NAP
Start	10756	End	11481
GI	5042454	Score	172
Exons	10756..10809, 11063..11235, 11422..11481		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90719	Strand	+
Start	1	End	158
Name	OJ000250_70.0303.C8.o1.np	Method	AAT/NAP
Start	1	End	158
GI	7523512	Score	129
Exons	1..158		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90720	Strand	-
Start	453	End	9964
Name	OJ000250_70.0303.C8.o1.gs	Method	GENSCAN
Start	453	End	9964
GI	none	Score	.86
Exons	453..587, 1163..1184, 1364..1477, 1592..1805, 1962..2121, 2250..2453, 2630..2796, 3238..3423, 5391..5515, 6197..6310, 6407..6644, 6946..7105, 7652..7852, 7966..8132, 8499..8638, 9873..9964		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90720	Strand	-
Start	453	End	9964
Name	OJ000250_70.0303.C8.o1.gp	Method	AAT/GAP
Start	1341	End	1699
GI	2797550	Score	444
Exons	1341..1477, 1592..1699		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90720	Strand	-
Start	453	End	9964
Name	OJ000250_70.0303.C8.o2.np	Method	AAT/NAP
Start	6157	End	8631
GI	6689826	Score	643
Exons	6157..6310, 6410..6644, 6946..7105, 7652..7852, 7966..8132, 8499..8631		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90720	Strand	-
Start	453	End	9964
Name	OJ000250_70.0303.C8.o2.gp	Method	AAT/GAP
Start	7751	End	8744
GI	17023_1.R1084	Score	861
Exons	7751..7852, 7966..8132, 8499..8744		
GI Descrip.	'4508073/gb\|AAD21417.1\| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	1399	End	6612
GI	none	Score	54
Exons	1399..1476, 1400..1474, 1591..1764, 1595..1762, 6232..6309, 6409..6498, 6547..6612		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	2325	End	8628
GI	none	Score	84
Exons	2325..2456, 2630..2797, 3239..3313, 3302..3358, 7724..7855, 7966..8121, 8500..8628		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	2328	End	8091
GI	none	Score	156
Exons	2328..2456, 2332..2454, 2630..2752, 2630..2755, 7715..7855, 7734..7853, 7966..8091, 7966..8091		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	2338	End	8587
GI	none	Score	109
Exons	2338..2445, 2343..2456, 2343..2456, 2449..2487, 2633..2797, 2648..2797, 3233..3325, 3234..3326, 7740..7835, 7742..7855, 7958..8140, 7974..8132, 7984..8163, 7990..8133, 8495..8581, 8500..8586, 8501..8587		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o2.gs	Method	GENSCAN
Start	10346	End	10850
GI	none	Score	.59
Exons	10346..10812, 10830..10850		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o3.np	Method	AAT/NAP
Start	10346	End	10862
GI	7487480	Score	152
Exons	10346..10862		
GI Descrip.	hypothetical protein T27E13.3 - Arabidopsis thaliana gi\|2347189\|gb\|AAC16928.1\| (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43306	Seq. ID	OJ000250_70.0303.C8
Gene No.	90721	Strand	-
Start	10346	End	10862
Name	OJ000250_70.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	10577	End	10783
GI	none	Score	80
Exons	10577..10687, 10590..10664, 10622..10672, 10688..10783, 10689..10775, 10700..10783		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90722	Strand	+
Start	7246	End	7775
Name	OJ000250_70.0303.C9.o3.gs	Method	GENSCAN
Start	7246	End	7775
GI	none	Score	.93
Exons	7246..7633, 7756..7775		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90723	Strand	+
Start	15463	End	15627
Name	OJ000250_70.0303.C9.o5.gp	Method	AAT/GAP
Start	15463	End	15627
GI	7406_1.R1084	Score	225
Exons	15463..15627		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90724	Strand	+
Start	22435	End	22506
Name	OJ000250_70.0303.C9.o8.gp	Method	AAT/GAP
Start	22435	End	22506
GI	uC-osf1M202097d10b1	Score	101
Exons	22435..22506		
GI Descrip.	'4062935/dbj\|AB003495.1\|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90725	Strand	-
Start	15	End	4700
Name	OJ000250_70.0303.C9.o1.gs	Method	GENSCAN
Start	15	End	4631
GI	none	Score	.86
Exons	15..146, 1655..1776, 1877..2114, 2524..2683, 3548..3748, 4002..4139, 4509..4631		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90725	Strand	-
Start	15	End	4700
Name	OJ000250_70.0303.C9.o1.np	Method	AAT/NAP
Start	1760	End	4622
GI	3894172	Score	226
Exons	1760..2064, 2498..2683, 3557..3748, 4002..4157, 4504..4622		
GI Descrip.	(AC005312) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90725	Strand	-
Start	15	End	4700
Name	OJ000250_70.0303.C9.o2.np	Method	AAT/NAP
Start	2138	End	4628
GI	1706368	Score	288
Exons	2138..2220, 2597..2683, 3548..3748, 4002..4163, 4504..4628		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi\|320557\|pir\|\|JQ1688 dihydrokaempferol 4-reductase (EC 1.1.1.219) - Arabidopsis thaliana gi\|166686 (M86359)		

dihydroflavonol 4-reductase [Arabidopsis thaliana] gi|6045053|dbj|BAA85261.1| (AB033294) dihydroflavonol 4-reductase [Arabidopsis thaliana]

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90725	Strand	-
Start	15	End	4700
Name	OJ000250_70.0303.C9.o3.np	Method	AAT/NAP
Start	2570	End	4700
GI	7431410	Score	244
Exons	2570..2680, 3548..3744, 4010..4165, 4509..4700		
GI Descrip.	cinnamoyl CoA reductase - maize gi\|2239260\|emb\|CAA74071.1\| (Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90726	Strand	-
Start	5864	End	6339
Name	OJ000250_70.0303.C9.o2.gs	Method	GENSCAN
Start	5864	End	6339
GI	none	Score	.48
Exons	5864..6081, 6108..6339		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90727	Strand	-
Start	7201	End	7709
Name	OJ000250_70.0303.C9.o1.gp	Method	AAT/GAP
Start	7201	End	7709
GI	LIB3432-015-P1-K1-B3	Score	807
Exons	7201..7302, 7333..7709		
GI Descrip.	'5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90727	Strand	-
Start	7201	End	7709
Name	OJ000250_70.0303.C9.o4.np	Method	AAT/NAP
Start	7257	End	7447
GI	3894187	Score	98
Exons	7257..7447		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o5.np	Method	AAT/NAP
Start	7733	End	14937
GI	7228438	Score	5526
Exons	7733..7771, 9499..9708, 9866..10048, 10141..10399, 10479..10777, 10868..11278, 11363..11461, 12975..14937		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o2.gp	Method	AAT/GAP

Start	8514	End	8967
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	8514..8967		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o4.gs	Method	GENSCAN
Start	8792	End	14742
GI	none	Score	.49
Exons	8792..8952, 9103..9305, 9310..9357, 9421..9552, 9799..9896, 9923..10048, 10141..10347, 10526..10777, 10868..11278, 11453..11699, 11805..11955, 12402..12691, 12892..14043, 14102..14742		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o3.gp	Method	AAT/GAP
Start	10149	End	10651
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	10149..10399, 10479..10651		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o4.gp	Method	AAT/GAP
Start	13535	End	13966
GI	5701669	Score	833
Exons	13535..13966		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o6.np	Method	AAT/NAP
Start	14663	End	23572
GI	1706368	Score	403
Exons	14663..14735, 17670..17813, 17892..18081, 18215..18383, 18487..18690, 23019..23185, 23455..23572		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi\|320557\|pir\|\|JQ1688 dihydrokaempferol 4-reductase (EC 1.1.1.219) - Arabidopsis thaliana gi\|166686 (M86359) dihydroflavonol 4-reductase [Arabidopsis thaliana] gi\|6045053\|dbj\|BAA85261.1\| (AB033294) dihydroflavonol 4-reductase [Arabidopsis thaliana]		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739

Name	OJ000250_70.0303.C9.o5.gs	Method	GENSCAN
Start	16512	End	19263
GI	none	Score	.83
Exons	16512..16676, 16678..16868, 17501..17559, 17681..17815, 17891..18110, 18224..18383, 18481..18690, 18774..18949, 19140..19263		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o6.gp	Method	AAT/GAP
Start	17484	End	18132
GI	33857_1.R1084	Score	901
Exons	17484..17815, 17891..18132		
GI Descrip.	'4508073/gb\|AAD21417.1\| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o7.gp	Method	AAT/GAP
Start	18825	End	19372
GI	uC-osflcyp017f04b1	Score	612
Exons	18825..18949, 19140..19372		
GI Descrip.	'4508073/gb\|AAD21417.1\| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90728	Strand	-
Start	7733	End	23739
Name	OJ000250_70.0303.C9.o6.gs	Method	GENSCAN
Start	20952	End	23739
GI	none	Score	.97
Exons	20952..21105, 21188..21407, 21801..21960, 22053..22271, 23019..23185, 23455..23605, 23644..23739		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	1650	End	21366
GI	none	Score	97
Exons	1650..1775, 1879..1968, 2017..2082, 17734..17799, 17902..18057, 17906..18058, 21024..21089, 21199..21291, 21289..21366		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o3.tm	Method	TBLASTX:Maize
Start	1922	End	21933
GI	none	Score	50
Exons	1922..2020, 1924..1968, 2014..2112, 2015..2119, 2017..2157, 2496..2654, 2519..2656, 17938..18057, 17939..18046, 17959..18072, 17969..18115, 18061..18114, 18216..18356, 18217..18354, 21236..21280, 21255..21281, 21295..21387, 21299..21385, 21796..21933, 21797..21901		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o2.ts	Method	TBLASTX:Soybean
Start	2513	End	23591
GI	none	Score	80
Exons	2513..2683, 3548..3610, 3623..3742, 4002..4130, 4513..4554, 4560..4604, 18216..18383, 18490..18549, 18580..18693, 18807..18899, 19147..19236, 19148..19240, 21775..21960, 22062..22121, 22146..22274, 23019..23135, 23459..23548, 23463..23591		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o2.tm	Method	TBLASTX:Maize
Start	3611	End	23156
GI	none	Score	112
Exons	3611..3751, 3630..3749, 4002..4127, 4003..4122, 18570..18692, 18577..18693, 18607..18693, 18771..18908, 18807..18908, 18808..18921, 18903..18932, 18904..18933, 22131..22274, 22132..22272, 22134..22301, 23013..23141, 23019..23156		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	3620	End	23584
GI	none	Score	91
Exons	3620..3751, 4002..4157, 4003..4158, 18580..18693, 18795..18950, 19141..19248, 22143..22274, 23013..23237, 23019..23189, 23456..23584		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o2.tw	Method	TBLASTX:Wheat
Start	3635	End	23543
GI	none	Score	74
Exons	3635..3751, 3636..3791, 3638..3751, 3994..4176, 4026..4169, 4504..4557, 4505..4558, 4557..4598, 4558..4599, 18575..18664, 18577..18693, 18607..18693, 18807..18950, 18807..18950, 19135..19227, 19136..19228, 22161..22274, 22162..22248, 23022..23189, 23037..23186, 23450..23542, 23451..23543		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o1.tw	Method	TBLASTX:Wheat
Start	13335	End	13715
GI	none	Score	79
Exons	13335..13511, 13365..13511, 13396..13515, 13509..13706, 13521..13715		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804

Name	OJ000250_70.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	13413	End	14009
GI	none	Score	145
Exons	13413..13484, 13548..13847, 13609..13830, 13881..14009, 13903..14001		

Seq. No.	43307	Seq. ID	OJ000250_70.0303.C9
Gene No.	90729	Strand	-
Start	24970	End	25804
Name	OJ000250_70.0303.C9.o7.gs	Method	GENSCAN
Start	24970	End	25804
GI	none	Score	.54
Exons	24970..25158, 25205..25328, 25656..25804		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90730	Strand	+
Start	5206	End	8173
Name	OJ000350_70.0328.C3.o3.gp	Method	AAT/GAP
Start	5153	End	6217
GI	15939_1.R1084	Score	795
Exons	5153..5478, 6116..6217		
GI Descrip.	'4263818/gb\|AAD15461\| 1.0e-16 (AC006067) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90730	Strand	+
Start	5206	End	8173
Name	OJ000350_70.0328.C3.o2.gs	Method	GENSCAN
Start	5206	End	8173
GI	none	Score	.69
Exons	5206..5478, 5763..5891, 6116..6346, 7979..8173		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90730	Strand	+
Start	5206	End	8173
Name	OJ000350_70.0328.C3.o2.np	Method	AAT/NAP
Start	5269	End	6576
GI	6671930	Score	371
Exons	5269..5478, 6221..6346, 6436..6576		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90731	Strand	+
Start	9080	End	11047
Name	OJ000350_70.0328.C3.o3.gs	Method	GENSCAN
Start	9080	End	11047
GI	none	Score	.84
Exons	9080..9155, 10476..11047		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90732	Strand	-
Start	1	End	2314
Name	OJ000350_70.0328.C3.o1.np	Method	AAT/NAP
Start	1	End	2314
GI	7106512	Score	1013
Exons	1..167, 812..1490, 1648..1826, 2021..2181, 2255..2314		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90733	Strand	-
Start	2269	End	2577
Name	OJ000350_70.0328.C3.o1.gp	Method	AAT/GAP
Start	2269	End	2574
GI	72524_1.R1084	Score	402
Exons	2269..2574		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90733	Strand	-
Start	2269	End	2577
Name	OJ000350_70.0328.C3.o2.gp	Method	AAT/GAP
Start	2466	End	2577
GI	5816518	Score	138
Exons	2466..2577		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o2.ts	Method	TBLASTX:Soybean
Start	5257	End	5481
GI	none	Score	217
Exons	5257..5481, 5274..5480		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	5266	End	6219
GI	none	Score	279
Exons	5266..5487, 5268..5486, 6113..6214, 6113..6175, 6118..6213, 6124..6219		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o1.tc	Method	TBLASTX:Cress
Start	5271	End	8146
GI	none	Score	186
Exons	5271..5396, 5272..5487, 6113..6214, 6115..6237, 6194..6349, 6217..6342, 6433..6564, 6447..6554, 8030..8146		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o1.ts	Method	TBLASTX:Soybean
Start	6113	End	8110
GI	none	Score	98
Exons	6113..6211, 6115..6237, 6194..6349, 6229..6342, 6433..6591, 6447..6572, 8027..8110		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o2.tm	Method	TBLASTX:Maize
Start	6221	End	8101
GI	none	Score	122
Exons	6221..6349, 6235..6342, 6422..6526, 6433..6567, 8024..8101		

Seq. No.	43308	Seq. ID	OJ000350_70.0328.C3
Gene No.	90734	Strand	-
Start	12823	End	17279
Name	OJ000350_70.0328.C3.o4.gs	Method	GENSCAN
Start	12823	End	17279
GI	none	Score	.44
Exons	12823..12859, 14224..14431, 15360..15529, 17153..17279		

Seq. No.	43309	Seq. ID	OJ000350_70.0328.C4
Gene No.	90735	Strand	+
Start	647	End	1928
Name	OJ000350_70.0328.C4.o1.gs	Method	GENSCAN
Start	647	End	1802
GI	none	Score	.76
Exons	647..794, 1078..1150, 1239..1553, 1664..1802		

Seq. No.	43309	Seq. ID	OJ000350_70.0328.C4
Gene No.	90735	Strand	+
Start	647	End	1928
Name	OJ000350_70.0328.C4.o2.np	Method	AAT/NAP
Start	1417	End	1928
GI	2347198	Score	262
Exons	1417..1553, 1664..1928		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43309	Seq. ID	OJ000350_70.0328.C4
Gene No.	90736	Strand	-
Start	710	End	992
Name	OJ000350_70.0328.C4.o1.np	Method	AAT/NAP
Start	710	End	992
GI	6721512	Score	100
Exons	710..847, 875..992		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43309	Seq. ID	OJ000350_70.0328.C4
Gene No.	90737	Strand	
Start	1492	End	1802
Name	OJ000350_70.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	1492	End	1802
GI	none	Score	109
Exons	1492..1563, 1516..1551, 1665..1802, 1667..1798		

Seq. No.	43309	Seq. ID	OJ000350_70.0328.C4
Gene No.	90737	Strand	
Start	1492	End	1802
Name	OJ000350_70.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	1492	End	1790
GI	none	Score	89
Exons	1492..1563, 1664..1789, 1665..1790		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90738	Strand	+
Start	1	End	1075
Name	OJ000350_70.0328.C5.o1.np	Method	AAT/NAP
Start	1	End	1072
GI	2347198	Score	117
Exons	1..111, 359..828, 966..1072		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90738	Strand	+
Start	1	End	1075
Name	OJ000350_70.0328.C5.o1.gs	Method	GENSCAN
Start	70	End	1075
GI	none	Score	.97
Exons	70..155, 271..1075		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90739	Strand	+
Start	2045	End	3977
Name	OJ000350_70.0328.C5.o2.gs	Method	GENSCAN
Start	2045	End	3977
GI	none	Score	.79
Exons	2045..2283, 2402..2674, 3041..3328, 3427..3621, 3827..3977		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90740	Strand	+
Start	5877	End	10877
Name	OJ000350_70.0328.C5.o3.gs	Method	GENSCAN
Start	5877	End	10860
GI	none	Score	.45
Exons	5877..5925, 7155..8468, 9012..9386, 9573..9636, 10040..10860		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90740	Strand	+
Start	5877	End	10877
Name	OJ000350_70.0328.C5.o2.np	Method	AAT/NAP
Start	9570	End	10877
GI	7489803	Score	859
Exons	9570..10877		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi\|3645899\|gb\|AAC49502.1\| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90741	Strand	-
Start	1974	End	2264
Name	OJ000350_70.0328.C5.o1.gp	Method	AAT/GAP
Start	1974	End	2264
GI	3760584	Score	535
Exons	1974..2264		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90742	Strand	-
Start	4318	End	4720
Name	OJ000350_70.0328.C5.o2.gp	Method	AAT/GAP

Start	4318	End	4720
GI	none	Score	773
Exons	4318..4720		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90743	Strand	
Start	9996	End	10856
Name	OJ000350_70.0328.C5.o1.tw	Method	TBLASTX:Wheat
Start	9996	End	10553
GI	none	Score	118
Exons	9996..10226, 10266..10553, 10374..10544, 10379..10552		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90743	Strand	
Start	9996	End	10856
Name	OJ000350_70.0328.C5.o1.tm	Method	TBLASTX:Maize
Start	10221	End	10856
GI	none	Score	87
Exons	10221..10286, 10226..10288, 10287..10709, 10326..10592, 10373..10708, 10704..10856		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90743	Strand	
Start	9996	End	10856
Name	OJ000350_70.0328.C5.o1.ts	Method	TBLASTX:Soybean
Start	10395	End	10856
GI	none	Score	250
Exons	10395..10706, 10413..10604, 10415..10699, 10728..10856		

Seq. No.	43310	Seq. ID	OJ000350_70.0328.C5
Gene No.	90743	Strand	
Start	9996	End	10856
Name	OJ000350_70.0328.C5.o1.tc	Method	TBLASTX:Cress
Start	10413	End	10855
GI	none	Score	127
Exons	10413..10607, 10629..10703, 10718..10855, 10719..10850		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90744	Strand	+
Start	1	End	9385
Name	OJ000350_70.0328.C6.o1.np	Method	AAT/NAP
Start	1	End	914
GI	4416302	Score	845
Exons	1..914		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90744	Strand	+
Start	1	End	9385
Name	OJ000350_70.0328.C6.o3.np	Method	AAT/NAP
Start	1	End	9385
GI	4680207	Score	932
Exons	1..23, 3026..3092, 3546..4429, 7492..8264, 8304..9385		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6

Gene No.	90744	Strand	+
Start	1	End	9385
Name	OJ000350_70.0328.C6.o2.np	Method	AAT/NAP
Start	2531	End	3254
GI	7523502	Score	200
Exons	2531..2624, 2937..3254		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90745	Strand	+
Start	13419	End	15465
Name	OJ000350_70.0328.C6.o2.gp	Method	AAT/GAP
Start	13419	End	15465
GI	1211_1.R1084	Score	1361
Exons	13419..13489, 13582..13640, 14485..14770, 15032..15097, 15190..15465		
GI Descrip.	'5106775/gb\|AAD39838.1\|AF067732_1 3.0e-64 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90745	Strand	+
Start	13419	End	15465
Name	OJ000350_70.0328.C6.o4.np	Method	AAT/NAP
Start	14462	End	15246
GI	5106775	Score	573
Exons	14462..14770, 15032..15097, 15190..15246		
GI Descrip.	(AF067732) ribosomal protein S12 [Hordeum vulgare]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90746	Strand	+
Start	16336	End	23762
Name	OJ000350_70.0328.C6.o3.gs	Method	GENSCAN
Start	16336	End	23762
GI	none	Score	.87
Exons	16336..16799, 16930..17035, 17125..17326, 17873..18009, 18049..18252, 18338..18487, 20028..20312, 20396..20695, 22821..23762		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90746	Strand	+
Start	16336	End	23762
Name	OJ000350_70.0328.C6.o5.np	Method	AAT/NAP
Start	16554	End	18558
GI	4895223	Score	1181
Exons	16554..16799, 16906..17035, 17125..17326, 17555..17617, 17873..18012, 18103..18252, 18338..18558		
GI Descrip.	(AC007660) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90746	Strand	+
Start	16336	End	23762
Name	OJ000350_70.0328.C6.o3.gp	Method	AAT/GAP
Start	18421	End	19476
GI	3768331	Score	729
Exons	18421..18487, 19101..19476		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90746	Strand	+
Start	16336	End	23762
Name	OJ000350_70.0328.C6.o6.np	Method	AAT/NAP
Start	20516	End	23759
GI	3786016	Score	743
Exons	20516..20695, 22821..23759		
GI Descrip.	(AC005499) putative elongation factor [Arabidopsis thaliana]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90746	Strand	+
Start	16336	End	23762
Name	OJ000350_70.0328.C6.o7.np	Method	AAT/NAP
Start	22804	End	23759
GI	3786016	Score	643
Exons	22804..23759		
GI Descrip.	(AC005499) putative elongation factor [Arabidopsis thaliana]		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90747	Strand	-
Start	10932	End	11445
Name	OJ000350_70.0328.C6.o1.gp	Method	AAT/GAP
Start	10932	End	11445
GI	none	Score	542
Exons	10932..11020, 11129..11169, 11270..11445		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o4.tw	Method	TBLASTX:Wheat
Start	102	End	491
GI	none	Score	77
Exons	102..209, 234..491		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o2.tm	Method	TBLASTX:Maize
Start	237	End	899
GI	none	Score	727
Exons	237..899, 245..883		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o1.ts	Method	TBLASTX:Soybean
Start	255	End	923
GI	none	Score	290
Exons	255..641, 359..601, 663..923, 677..847		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o2.tc	Method	TBLASTX:Cress
Start	528	End	893
GI	none	Score	88
Exons	528..659, 648..893		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o5.tw	Method	TBLASTX:Wheat
Start	528	End	848
GI	none	Score	90
Exons	528..653, 672..848, 735..848		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o3.tw	Method	TBLASTX:Wheat
Start	3547	End	3845
GI	none	Score	143
Exons	3547..3720, 3602..3721, 3732..3845		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o6.tm	Method	TBLASTX:Maize
Start	3595	End	3875
GI	none	Score	93
Exons	3595..3720, 3608..3721, 3726..3776, 3783..3872, 3789..3875		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o4.ts	Method	TBLASTX:Soybean
Start	7407	End	8136
GI	none	Score	46
Exons	7407..7439, 7448..7762, 7789..7941, 8053..8136		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o2.tw	Method	TBLASTX:Wheat
Start	7640	End	7934
GI	none	Score	103
Exons	7640..7723, 7642..7722, 7736..7774, 7768..7923, 7797..7934, 7798..7932		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o5.tm	Method	TBLASTX:Maize
Start	7642	End	8136
GI	none	Score	86
Exons	7642..7722, 7643..7723, 7791..7937, 7795..7941, 7956..8060, 7966..8034, 8050..8136		

Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o4.tm	Method	TBLASTX:Maize
Start	14508	End	14773
GI	none	Score	77

Exons	14508..14576, 14508..14765, 14509..14769, 14521..14772, 14522..14773		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o1.tw	Method	TBLASTX:Wheat
Start	14510	End	14773
GI	none	Score	92
Exons	14510..14770, 14511..14579, 14515..14766, 14521..14772, 14522..14773		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	14526	End	15252
GI	none	Score	311
Exons	14526..14765, 14527..14769, 14528..14773, 15032..15064, 15163..15252		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o2.ts	Method	TBLASTX:Soybean
Start	14539	End	15397
GI	none	Score	393
Exons	14539..14772, 14540..14773, 15032..15064, 15032..15103, 15149..15250, 15162..15254, 15162..15254, 15163..15255, 15281..15382, 15299..15397, 15303..15386		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o3.tm	Method	TBLASTX:Maize
Start	17856	End	18370
GI	none	Score	140
Exons	17856..18008, 17860..18012, 17865..18008, 18097..18255, 18099..18254, 18100..18255, 18337..18369, 18337..18369, 18338..18370		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	20627	End	23777
GI	none	Score	80
Exons	20627..20716, 20627..20701, 22775..22933, 22821..22931, 22826..22933, 22922..23008, 23010..23120, 23147..23683, 23168..23656, 23190..23777, 23196..23759		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o4.gp	Method	AAT/GAP
Start	22876	End	23491
GI	286929	Score	657

Exons	22876..22992, 23267..23491		
GI Descrip.	3786016 2.0e-11 (AC005499) putative elongation factor [Arabidopsis thaliana]		
Seq. No.	43311	Seq. ID	OJ000350_70.0328.C6
Gene No.	90748	Strand	-
Start	22876	End	23777
Name	OJ000350_70.0328.C6.o3.ts	Method	TBLASTX:Soybean
Start	23168	End	23588
GI	none	Score	94
Exons	23168..23269, 23193..23321, 23348..23491, 23363..23509, 23364..23588		
Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90749	Strand	+
Start	3470	End	12229
Name	OJ000350_70.0328.C7.o2.np	Method	AAT/NAP
Start	3470	End	12229
GI	7340905	Score	92
Exons	3470..3579, 12114..12229		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90749	Strand	+
Start	3470	End	12229
Name	OJ000350_70.0328.C7.o2.gs	Method	GENSCAN
Start	9826	End	11169
GI	none	Score	.72
Exons	9826..9863, 11016..11169		
Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o3.np	Method	AAT/NAP
Start	13659	End	13857
GI	6979337	Score	74
Exons	13659..13857		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		
Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o4.gs	Method	GENSCAN
Start	13693	End	32420
GI	none	Score	.44
Exons	13693..14631, 16009..16299, 16929..17050, 17188..17189, 21212..22599, 23185..23361, 23985..24203, 25592..25843, 27773..27817, 32196..32420		
Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o4.np	Method	AAT/NAP
Start	20408	End	23563
GI	4835781	Score	115
Exons	20408..20453, 21359..21585, 23518..23563		
GI Descrip.	(AC007296) F25C20.9 [Arabidopsis thaliana]		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o5.np	Method	AAT/NAP
Start	21606	End	21818
GI	7413567	Score	70
Exons	21606..21818		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o2.gp	Method	AAT/GAP
Start	23190	End	24264
GI	none	Score	835
Exons	23190..23361, 23985..24264		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90750	Strand	+
Start	13693	End	32420
Name	OJ000350_70.0328.C7.o6.np	Method	AAT/NAP
Start	24211	End	27774
GI	7510076	Score	112
Exons	24211..24255, 27404..27525, 27559..27774		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90751	Strand	+
Start	35602	End	36133
Name	OJ000350_70.0328.C7.o8.np	Method	AAT/NAP
Start	35602	End	36133
GI	7523517	Score	117
Exons	35602..35899, 36044..36133		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90752	Strand	+
Start	36207	End	36453
Name	OJ000350_70.0328.C7.o9.np	Method	AAT/NAP
Start	36207	End	36453
GI	6017113	Score	74
Exons	36207..36453		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90753	Strand	-
Start	289	End	8526
Name	OJ000350_70.0328.C7.o1.gs	Method	GENSCAN
Start	289	End	8526
GI	none	Score	.8
Exons	289..340, 452..574, 1725..2397, 3645..3676, 4427..4560, 4932..5002, 5352..5532, 7696..7806, 7822..8373, 8425..8526		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90753	Strand	-
Start	289	End	8526

Name	OJ000350_70.0328.C7.o1.np	Method	AAT/NAP
Start	324	End	2080
GI	7228450	Score	196
Exons	324..440, 544..663, 796..881, 1725..1746, 2044..2080		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90753	Strand	-
Start	289	End	8526
Name	OJ000350_70.0328.C7.o1.gp	Method	AAT/GAP
Start	337	End	662
GI	LIB3432-058-P1-K1-E12	Score	356
Exons	337..662		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43312	Seq. ID	OJ000350_70.0328.C7
Gene No.	90754	Strand	-
Start	27819	End	28346
Name	OJ000350_70.0328.C7.o7.np	Method	AAT/NAP
Start	27819	End	28346
GI	7510076	Score	122
Exons	27819..28147, 28314..28346		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	43313	Seq. ID	OJ000350_70.0328.C8
Gene No.	90755	Strand	+
Start	188	End	510
Name	OJ000350_70.0328.C8.o1.gs	Method	GENSCAN
Start	188	End	510
GI	none	Score	.7
Exons	188..435, 482..510		

Seq. No.	43313	Seq. ID	OJ000350_70.0328.C8
Gene No.	90756	Strand	+
Start	4899	End	6306
Name	OJ000350_70.0328.C8.o2.gs	Method	GENSCAN
Start	4899	End	6306
GI	none	Score	.91
Exons	4899..4915, 6087..6306		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90757	Strand	+
Start	150	End	6568
Name	OJ000350_70.0328.C9.o1.gs	Method	GENSCAN
Start	150	End	6568
GI	none	Score	.75
Exons	150..251, 550..595, 4289..4493, 4549..4723, 5285..5338, 5366..5441, 5533..5588, 6536..6568		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90757	Strand	+
Start	150	End	6568
Name	OJ000350_70.0328.C9.o1.gp	Method	AAT/GAP
Start	5962	End	6519
GI	none	Score	1083
Exons	5962..6519		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o2.gs	Method	GENSCAN
Start	7774	End	22315
GI	none	Score	.46
Exons	7774..8616, 10278..10367, 11515..11579, 11801..12215, 13138..13308, 13403..13453, 14130..14455, 14719..14827, 16841..16967, 17334..17584, 18714..18827, 19253..19306, 19488..19643, 20582..20847, 20962..21059, 21246..21424, 21843..21953, 22136..22315		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o1.np	Method	AAT/NAP
Start	17379	End	22330
GI	7476445	Score	325
Exons	17379..17671, 18788..18827, 19219..19434, 19518..19643, 20585..20847, 20962..21059, 21246..21478, 22143..22330		
GI Descrip.	hypothetical protein Rv0647c - Mycobacterium tuberculosis (strain H37RV) gi\|3261724\|emb\|CAB07127.1\| (Z92772) hypothetical protein Rv0647c [Mycobacterium tuberculosis]		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o2.gp	Method	AAT/GAP
Start	17546	End	17855
GI	25175_1.R1084	Score	290
Exons	17546..17584, 17720..17855		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o3.tm	Method	TBLASTX:Maize
Start	17776	End	19454
GI	none	Score	103
Exons	17776..17871, 17777..17854, 18262..18333, 18262..18405, 18263..18406, 18264..18407, 18702..18827, 18711..18836, 18712..18927, 19216..19449, 19216..19302, 19217..19405, 19218..19454		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o1.ts	Method	TBLASTX:Soybean
Start	18262	End	21428
GI	none	Score	165
Exons	18262..18402, 18263..18403, 18264..18407, 18702..18827, 18715..18864, 18716..18832, 18741..18836, 19181..19372, 19211..19411, 19212..19409, 19216..19434, 19218..19448, 19479..19646, 19487..19645, 19555..19656, 20569..20844, 20582..20851, 20585..20854, 20961..21053, 20961..21062,		

20962..21063, 20963..21091, 21244..21420, 21245..21424,
21246..21428

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o1.tw	Method	TBLASTX:Wheat
Start	18262	End	19363
GI	none	Score	228
Exons	18262..18402, 18263..18406, 18264..18407, 18702..18827, 18711..18827, 18712..18858, 18713..18832, 19215..19361, 19216..19362, 19216..19299, 19217..19363, 19218..19358		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o3.gp	Method	AAT/GAP
Start	18263	End	18407
GI	25175_1.R1084	Score	230
Exons	18263..18407		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o2.tc	Method	TBLASTX:Cress
Start	18276	End	19400
GI	none	Score	169
Exons	18276..18416, 18276..18398, 18277..18399, 18278..18412, 18719..18802, 18733..18777, 18785..18823, 18789..18827, 19181..19372, 19216..19398, 19216..19302, 19218..19400		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	19511	End	21039
GI	none	Score	209
Exons	19511..19645, 19512..19646, 19512..19646, 19555..19656, 20572..20847, 20574..20771, 20575..20850, 20582..20863, 20582..20848, 20958..21035, 20962..21039, 20963..21037		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o1.tc	Method	TBLASTX:Cress
Start	20668	End	21064
GI	none	Score	230
Exons	20668..20844, 20669..20851, 20961..21059, 20962..21063, 20962..21063, 20963..21064		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o2.tm	Method	TBLASTX:Maize
Start	21244	End	22424

GI	none	Score	285
Exons	21244..21426, 21245..21445, 21839..21958, 21840..21956, 22135..22299, 22135..22329, 22136..22333, 22377..22424, 22378..22416		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o2.ts	Method	TBLASTX:Soybean
Start	21842	End	22294
GI	none	Score	111
Exons	21842..21955, 21843..21956, 22120..22278, 22136..22294, 22136..22279		

Seq. No.	43314	Seq. ID	OJ000350_70.0328.C9
Gene No.	90758	Strand	+
Start	7774	End	22424
Name	OJ000350_70.0328.C9.o3.tc	Method	TBLASTX:Cress
Start	21915	End	22362
GI	none	Score	65
Exons	21915..21956, 22135..22257, 22136..22288, 22136..22285, 22303..22362		

Seq. No.	43315	Seq. ID	OJ000350_70.0328.C10
Gene No.	90759	Strand	-
Start	270	End	437
Name	OJ000350_70.0328.C10.o1.gs	Method	GENSCAN
Start	270	End	437
GI	none	Score	.62
Exons	270..437		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o1.np	Method	AAT/NAP
Start	1	End	2724
GI	7452413	Score	1467
Exons	1..59, 528..989, 1131..1375, 1463..1698, 1754..2266, 2311..2436, 2644..2724		
GI Descrip.	hypothetical protein dl3025c - Arabidopsis thaliana gi\|2244753\|emb\|CAB10176.1\| (Z97335) hypothetical protein [Arabidopsis thaliana] gi\|7268101\|emb\|CAB78439.1\| (AL161537) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o1.gs	Method	GENSCAN
Start	171	End	8195
GI	none	Score	.52
Exons	171..898, 1463..1662, 1754..2405, 2649..2780, 3540..3693, 3742..3785, 5636..5778, 7112..7264, 7691..7745, 8128..8195		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o1.ts	Method	TBLASTX:Soybean

Start	481	End	946
GI	none	Score	84
Exons	481..663, 485..658, 667..945, 677..946		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o1.tm	Method	TBLASTX:Maize
Start	529	End	975
GI	none	Score	477
Exons	529..975, 530..970		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o2.ts	Method	TBLASTX:Soybean
Start	1144	End	1672
GI	none	Score	102
Exons	1144..1383, 1145..1378, 1462..1668, 1478..1672		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o2.tm	Method	TBLASTX:Maize
Start	1327	End	1872
GI	none	Score	72
Exons	1327..1377, 1328..1378, 1462..1668, 1463..1663, 1699..1869, 1754..1870, 1755..1871, 1756..1872		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o2.tc	Method	TBLASTX:Cress
Start	2159	End	2369
GI	none	Score	113
Exons	2159..2368, 2160..2369		

Seq. No.	43316	Seq. ID	OJ000350_70.0328.C11
Gene No.	90760	Strand	-
Start	1	End	8195
Name	OJ000350_70.0328.C11.o1.tc	Method	TBLASTX:Cress
Start	2369	End	2923
GI	none	Score	215
Exons	2369..2404, 2646..2921, 2646..2921, 2648..2923		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90761	Strand	+
Start	146	End	577
Name	OJ000350_70.0328.C12.o1.gs	Method	GENSCAN
Start	146	End	577
GI	none	Score	.63
Exons	146..577		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90762	Strand	-
Start	3033	End	9080
Name	OJ000350_70.0328.C12.o1.gp	Method	AAT/GAP

Start	2755	End	3208
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	2755..3208		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90762	Strand	-
Start	3033	End	9080
Name	OJ000350_70.0328.C12.o3.gs	Method	GENSCAN
Start	3033	End	9080
GI	none	Score	.52
Exons	3033..3193, 3344..3546, 3551..3598, 3662..3793, 3884..3921, 3987..4169, 4262..4520, 4597..4895, 4989..5399, 5484..5820, 5926..6076, 6452..9080		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90762	Strand	-
Start	3033	End	9080
Name	OJ000350_70.0328.C12.o1.np	Method	AAT/NAP
Start	3879	End	8993
GI	7228438	Score	5496
Exons	3879..3949, 3987..4169, 4262..4520, 4597..4895, 4989..5399, 5484..5582, 7032..8993		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90762	Strand	-
Start	3033	End	9080
Name	OJ000350_70.0328.C12.o2.gp	Method	AAT/GAP
Start	4270	End	4769
GI	LIB3475-007-P1-K1-G8	Score	785
Exons	4270..4520, 4597..4769		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90762	Strand	-
Start	3033	End	9080
Name	OJ000350_70.0328.C12.o3.gp	Method	AAT/GAP
Start	7592	End	8023
GI	5701669	Score	841
Exons	7592..8023		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90763	Strand	-
Start	9532	End	9599
Name	OJ000350_70.0328.C12.o1.tw	Method	TBLASTX:Wheat
Start	7392	End	7772
GI	none	Score	79
Exons	7392..7568, 7422..7568, 7453..7572, 7566..7763, 7578..7772		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90763	Strand	-
Start	9532	End	9599
Name	OJ000350_70.0328.C12.o1.tm	Method	TBLASTX:Maize
Start	7470	End	8066
GI	none	Score	151
Exons	7470..7541, 7605..7904, 7666..7887, 7938..8066, 7960..8058		

Seq. No.	43317	Seq. ID	OJ000350_70.0328.C12
Gene No.	90763	Strand	-
Start	9532	End	9599
Name	OJ000350_70.0328.C12.o4.gp	Method	AAT/GAP
Start	9532	End	9599
GI	7406_1.R1084	Score	109
Exons	9532..9599		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43318	Seq. ID	OJ000350_70.0328.C13
Gene No.	90764	Strand	-
Start	3048	End	3160
Name	OJ000350_70.0328.C13.o1.gs	Method	GENSCAN
Start	3048	End	3160
GI	none	Score	.98
Exons	3048..3160		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90765	Strand	+
Start	13796	End	24625
Name	OJ000350_71.0328.C2.o3.gs	Method	GENSCAN
Start	13796	End	24625
GI	none	Score	.57
Exons	13796..13819, 14469..14553, 16031..16170, 20501..20572, 20631..20761, 21881..22069, 22336..22539, 23933..24095, 24140..24625		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90766	Strand	+
Start	26476	End	37605
Name	OJ000350_71.0328.C2.o3.np	Method	AAT/NAP
Start	26476	End	31054
GI	6069646	Score	713
Exons	26476..26526, 30263..31054		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90766	Strand	+
Start	26476	End	37605
Name	OJ000350_71.0328.C2.o6.gs	Method	GENSCAN
Start	30482	End	37242
GI	none	Score	.5
Exons	30482..30547, 30806..30885, 31619..31769, 32031..35381,		

35754..35871, 37118..37242

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90766	Strand	+
Start	26476	End	37605
Name	OJ000350_71.0328.C2.o6.np	Method	AAT/NAP
Start	32006	End	37605
GI	6967115	Score	141
Exons	32006..32032, 34083..34434, 35014..35083, 35150..35421, 37582..37605		
GI Descrip.	(AL138652) disease resistance protein homlog [Arabidopsis thaliana]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90766	Strand	+
Start	26476	End	37605
Name	OJ000350_71.0328.C2.o4.np	Method	AAT/NAP
Start	32721	End	36682
GI	4519258	Score	946
Exons	32721..33220, 33281..34081, 34220..35446, 36631..36682		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90766	Strand	+
Start	26476	End	37605
Name	OJ000350_71.0328.C2.o7.np	Method	AAT/NAP
Start	35975	End	36784
GI	4680186	Score	190
Exons	35975..36132, 36623..36784		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90767	Strand	+
Start	47677	End	50708
Name	OJ000350_71.0328.C2.o10.np	Method	AAT/NAP
Start	47677	End	50708
GI	5042463	Score	147
Exons	47677..47879, 48573..48726, 50672..50708		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90768	Strand	-
Start	1	End	8248
Name	OJ000350_71.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	2774
GI	4519936	Score	857
Exons	1..1689, 1760..2575, 2672..2774		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90768	Strand	-
Start	1	End	8248
Name	OJ000350_71.0328.C2.o1.gs	Method	GENSCAN
Start	370	End	5470
GI	none	Score	.81
Exons	370..2799, 3899..4067, 5425..5470		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90768	Strand	-
Start	1	End	8248
Name	OJ000350_71.0328.C2.o2.np	Method	AAT/NAP
Start	5148	End	8248
GI	6721157	Score	79
Exons	5148..5172, 6877..7016, 8143..8248		
GI Descrip.	(AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90768	Strand	-
Start	1	End	8248
Name	OJ000350_71.0328.C2.o2.gs	Method	GENSCAN
Start	6576	End	7073
GI	none	Score	1
Exons	6576..7073		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90769	Strand	-
Start	26354	End	28300
Name	OJ000350_71.0328.C2.o4.gs	Method	GENSCAN
Start	26354	End	28300
GI	none	Score	.98
Exons	26354..28300		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90770	Strand	-
Start	28708	End	30114
Name	OJ000350_71.0328.C2.o5.gs	Method	GENSCAN
Start	28708	End	30114
GI	none	Score	.46
Exons	28708..29164, 29433..29620, 29626..29735, 29853..30114		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90771	Strand	-
Start	43682	End	45877
Name	OJ000350_71.0328.C2.o8.np	Method	AAT/NAP
Start	43670	End	44588
GI	7487139	Score	241
Exons	43670..44177, 44310..44588		
GI Descrip.	hypothetical protein T18B16.50 - Arabidopsis thaliana (fragment) gi\|2832636\|emb\|CAA16765.1\| (AL021711) hypothetical protein [Arabidopsis thaliana] gi\|7268703\|emb\|CAB78910.1\| (AL161550) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90771	Strand	-
Start	43682	End	45877
Name	OJ000350_71.0328.C2.o8.gs	Method	GENSCAN
Start	43682	End	45877
GI	none	Score	1
Exons	43682..45877		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90772	Strand	-
Start	47321	End	47880

Name	OJ000350_71.0328.C2.o9.gs	Method	GENSCAN
Start	47321	End	47880
GI	none	Score	.79
Exons	47321..47504, 47732..47880		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o2.ts	Method	TBLASTX:Soybean
Start	513	End	33566
GI	none	Score	75
Exons	513..623, 685..846, 687..845, 1107..1277, 1251..1598, 33441..33566		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o3.tm	Method	TBLASTX:Maize
Start	1048	End	33554
GI	none	Score	66
Exons	1048..1221, 1050..1376, 1053..1379, 1070..1378, 27659..27766, 33465..33554		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	1299	End	33545
GI	none	Score	80
Exons	1299..1601, 1339..1443, 33285..33347, 33426..33545		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o2.tw	Method	TBLASTX:Wheat
Start	20799	End	21035
GI	none	Score	196
Exons	20799..21035		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	20874	End	30957
GI	none	Score	57
Exons	20874..20999, 21009..21059, 30449..30562, 30548..30790, 30566..30817, 30832..30957		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o5.tm	Method	TBLASTX:Maize
Start	21114	End	21407
GI	none	Score	154
Exons	21114..21311, 21122..21310, 21306..21407		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2

Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	26810	End	27256
GI	none	Score	70
Exons	26810..27256, 26831..27028, 27000..27251		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o1.ts	Method	TBLASTX:Soybean
Start	43694	End	43924
GI	none	Score	115
Exons	43694..43924, 43695..43865		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o4.tm	Method	TBLASTX:Maize
Start	45359	End	45652
GI	none	Score	176
Exons	45359..45472, 45482..45652		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o1.gp	Method	AAT/GAP
Start	49131	End	49439
GI	4519257	Score	557
Exons	49131..49439		
GI Descrip.	4519258/dbj\|BAA75541.1\| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o10.gs	Method	GENSCAN
Start	49243	End	49439
GI	none	Score	.74
Exons	49243..49439		

Seq. No.	43319	Seq. ID	OJ000350_71.0328.C2
Gene No.	90773	Strand	-
Start	49243	End	50708
Name	OJ000350_71.0328.C2.o11.np	Method	AAT/NAP
Start	49246	End	50708
GI	4519258	Score	259
Exons	49246..49423, 50618..50708		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90774	Strand	+
Start	17318	End	19180
Name	OJ000350_71.0328.C3.o3.gs	Method	GENSCAN
Start	17318	End	19180
GI	none	Score	1
Exons	17318..19180		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90775	Strand	+
Start	20388	End	20873
Name	OJ000350_71.0328.C3.o4.gs	Method	GENSCAN
Start	20388	End	20873
GI	none	Score	.52
Exons	20388..20873		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90776	Strand	+
Start	30894	End	34130
Name	OJ000350_71.0328.C3.o6.np	Method	AAT/NAP
Start	30894	End	34127
GI	6907089	Score	4109
Exons	30894..32155, 32249..34127		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90776	Strand	+
Start	30894	End	34130
Name	OJ000350_71.0328.C3.o7.gs	Method	GENSCAN
Start	30894	End	34130
GI	none	Score	.95
Exons	30894..34130		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90777	Strand	+
Start	40996	End	42711
Name	OJ000350_71.0328.C3.o11.np	Method	AAT/NAP
Start	40996	End	42711
GI	5922623	Score	159
Exons	40996..41197, 41598..41631, 41800..41875, 42287..42405, 42621..42711		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90777	Strand	+
Start	40996	End	42711
Name	OJ000350_71.0328.C3.o8.np	Method	AAT/NAP
Start	40996	End	42514
GI	5922623	Score	163
Exons	40996..41197, 41598..41631, 41800..41875, 42483..42514		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90777	Strand	+
Start	40996	End	42711
Name	OJ000350_71.0328.C3.o12.np	Method	AAT/NAP
Start	41918	End	42062
GI	7523512	Score	102
Exons	41918..42062		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90778	Strand	-
Start	311	End	5087
Name	OJ000350_71.0328.C3.o1.np	Method	AAT/NAP
Start	311	End	4255
GI	4519258	Score	5378
Exons	311..373, 713..821, 1124..4255		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90778	Strand	-
Start	311	End	5087
Name	OJ000350_71.0328.C3.o1.gp	Method	AAT/GAP
Start	1108	End	4311
GI	4519257	Score	6355
Exons	1108..4311		
GI Descrip.	4519258/dbj\|BAA75541.1\| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90778	Strand	-
Start	311	End	5087
Name	OJ000350_71.0328.C3.o2.np	Method	AAT/NAP
Start	1283	End	5087
GI	6721547	Score	91
Exons	1283..1303, 5003..5087		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90779	Strand	-
Start	15829	End	16833
Name	OJ000350_71.0328.C3.o3.np	Method	AAT/NAP
Start	15829	End	16833
GI	7489553	Score	285
Exons	15829..15924, 16525..16833		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi\|2462640\|emb\|CAA73800.1\| (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90780	Strand	-
Start	23128	End	23414
Name	OJ000350_71.0328.C3.o5.gs	Method	GENSCAN
Start	23128	End	23414
GI	none	Score	.55
Exons	23128..23264, 23393..23414		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90781	Strand	-
Start	27239	End	29777
Name	OJ000350_71.0328.C3.o6.gs	Method	GENSCAN
Start	27239	End	29777
GI	none	Score	.44
Exons	27239..27747, 28312..28370, 28849..28895, 29631..29777		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3

Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o4.tm	Method	TBLASTX:Maize
Start	18370	End	18808
GI	none	Score	356
Exons	18370..18663, 18371..18808		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o5.tm	Method	TBLASTX:Maize
Start	34734	End	34904
GI	none	Score	125
Exons	34734..34904, 34735..34899		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o7.np	Method	AAT/NAP
Start	34764	End	40919
GI	7228457	Score	9179
Exons	34764..36314, 36381..37532, 37655..38489, 38553..40488, 40553..40919		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o7.tw	Method	TBLASTX:Wheat
Start	34773	End	35375
GI	none	Score	83
Exons	34773..34898, 34777..34899, 35091..35375, 35092..35370		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o4.tw	Method	TBLASTX:Wheat
Start	35376	End	35757
GI	none	Score	161
Exons	35376..35756, 35407..35655, 35701..35757		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o2.tm	Method	TBLASTX:Maize
Start	35571	End	35894
GI	none	Score	177
Exons	35571..35894, 35584..35865		

Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o8.tw	Method	TBLASTX:Wheat
Start	36087	End	36399
GI	none	Score	62

Exons	36087..36347, 36198..36386, 36223..36399		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o2.ts	Method	TBLASTX:Soybean
Start	36147	End	36713
GI	5666795	Score	68
Exons	36147..36347, 36402..36539, 36615..36713		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o5.tw	Method	TBLASTX:Wheat
Start	36402	End	36860
GI	none	Score	87
Exons	36402..36551, 36403..36540, 36405..36542, 36598..36771, 36612..36860, 36612..36836		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o1.ts	Method	TBLASTX:Soybean
Start	37461	End	37832
GI	none	Score	90
Exons	37461..37832, 37672..37815		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o2.tw	Method	TBLASTX:Wheat
Start	37486	End	37910
GI	none	Score	329
Exons	37486..37905, 37491..37910		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o3.tm	Method	TBLASTX:Maize
Start	37584	End	37968
GI	none	Score	207
Exons	37584..37967, 37603..37968		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	37995	End	38351
GI	none	Score	105
Exons	37995..38264, 37995..38351, 38005..38316		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o1.tw	Method	TBLASTX:Wheat
Start	38019	End	38481

GI	none	Score	401
Exons	38019..38480, 38020..38481		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o3.ts	Method	TBLASTX:Soybean
Start	38076	End	38441
GI	none	Score	117
Exons	38076..38210, 38217..38441		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o3.tw	Method	TBLASTX:Wheat
Start	38646	End	39132
GI	none	Score	165
Exons	38646..39131, 38650..38937, 38959..39132		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o6.tw	Method	TBLASTX:Wheat
Start	39870	End	40262
GI	none	Score	89
Exons	39870..40127, 39904..40143, 40110..40208, 40111..40191, 40215..40262		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o6.tm	Method	TBLASTX:Maize
Start	39972	End	40257
GI	none	Score	103
Exons	39972..40220, 39973..40257		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o10.np	Method	AAT/NAP
Start	40385	End	41602
GI	5042454	Score	1138
Exons	40385..40937, 40993..41103, 41439..41602		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	43320	Seq. ID	OJ000350_71.0328.C3
Gene No.	90782	Strand	-
Start	34764	End	44966
Name	OJ000350_71.0328.C3.o9.np	Method	AAT/NAP
Start	41156	End	44966
GI	5042454	Score	161
Exons	41156..41209, 41439..41631, 44879..44966		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90783	Strand	+
Start	1	End	8292

Name	OJ000350_71.0328.C4.o2.np	Method	AAT/NAP
Start	1	End	8192
GI	7485070	Score	920
Exons	1..54, 4029..4273, 4589..4995, 5672..5857, 6220..6336, 7902..8192		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244904\|emb\|CAB10325.1\| (Z97339) hypothetical protein [Arabidopsis thaliana] gi\|7268294\|emb\|CAB78589.1\| (AL161541) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90783	Strand	+
Start	1	End	8292
Name	OJ000350_71.0328.C4.o1.gs	Method	GENSCAN
Start	1227	End	1342
GI	none	Score	.51
Exons	1227..1342		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90783	Strand	+
Start	1	End	8292
Name	OJ000350_71.0328.C4.o2.gs	Method	GENSCAN
Start	3128	End	8292
GI	none	Score	.89
Exons	3128..3442, 4589..4995, 5672..5857, 7070..7220, 7899..8132, 8284..8292		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90784	Strand	+
Start	8924	End	9634
Name	OJ000350_71.0328.C4.o3.gs	Method	GENSCAN
Start	8924	End	9634
GI	none	Score	.81
Exons	8924..9634		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90785	Strand	+
Start	12854	End	12982
Name	OJ000350_71.0328.C4.o3.np	Method	AAT/NAP
Start	12854	End	12982
GI	7106528	Score	99
Exons	12854..12982		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90786	Strand	-
Start	1254	End	3313
Name	OJ000350_71.0328.C4.o1.np	Method	AAT/NAP
Start	1254	End	3313
GI	7339719	Score	77
Exons	1254..1348, 3263..3313		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90787	Strand	-
Start	12817	End	12959

Name	OJ000350_71.0328.C4.o1.gp	Method	AAT/GAP
Start	12817	End	12959
GI	21474_1.R1084	Score	253
Exons	12817..12959		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90788	Strand	-
Start	15044	End	18759
Name	OJ000350_71.0328.C4.o5.gs	Method	GENSCAN
Start	15044	End	17988
GI	none	Score	.91
Exons	15044..15229, 15309..15407, 15502..15574, 15659..15769, 15866..16039, 16149..17248, 17323..17988		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90788	Strand	-
Start	15044	End	18759
Name	OJ000350_71.0328.C4.o4.np	Method	AAT/NAP
Start	15062	End	18759
GI	4680204	Score	1057
Exons	15062..15199, 15550..15769, 15866..16039, 16149..17248, 17323..18759		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90788	Strand	-
Start	15044	End	18759
Name	OJ000350_71.0328.C4.o6.np	Method	AAT/NAP
Start	17257	End	18759
GI	4680204	Score	735
Exons	17257..18759		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o2.ts	Method	TBLASTX:Soybean
Start	4071	End	7220
GI	none	Score	35
Exons	4071..4091, 4136..4273, 4136..4273, 4139..4270, 5673..5855, 5676..5855, 5676..5855, 5706..5879, 5781..5867, 6218..6373, 6223..6411, 6224..6397, 6224..6415, 6224..6400, 6224..6301, 7059..7220, 7061..7213		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	4115	End	8099
GI	none	Score	80
Exons	4115..4270, 4133..4270, 4583..4714, 4718..4819, 4871..4996, 4873..4995, 4881..4997, 5657..5857, 5670..5858, 5670..5843, 5671..5865, 5673..5882, 5686..5865, 6218..6397, 6223..6294, 6224..6391, 6224..6292, 6233..6397, 7113..7211, 7878..8099		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o1.tc	Method	TBLASTX:Cress
Start	4130	End	8195
GI	none	Score	87
Exons	4130..4264, 5730..5864, 7968..8195, 8016..8093, 8069..8185		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	4598	End	8015
GI	none	Score	268
Exons	4598..4882, 4598..4849, 4633..4869, 6615..6689, 7902..8015		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o3.ts	Method	TBLASTX:Soybean
Start	8016	End	8195
GI	none	Score	191
Exons	8016..8195, 8024..8173		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o2.tw	Method	TBLASTX:Wheat
Start	15700	End	16222
GI	none	Score	68
Exons	15700..15771, 15871..16053, 15878..16003, 16142..16222		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	17713	End	18116
GI	none	Score	84
Exons	17713..17883, 17846..18013, 17878..18114, 17965..18114, 17976..18116, 18006..18116		

Seq. No.	43321	Seq. ID	OJ000350_71.0328.C4
Gene No.	90789	Strand	-
Start	20673	End	21224
Name	OJ000350_71.0328.C4.o3.gp	Method	AAT/GAP
Start	20673	End	21224
GI	342_1.R1084	Score	929
Exons	20673..21224		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90790	Strand	+
Start	1	End	254
Name	OJ000350_71.0328.C5.o1.gp	Method	AAT/GAP
Start	1	End	254
GI	LIB3431-028-P1-N1-A10	Score	504

Exons	1..254		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90791	Strand	+
Start	10634	End	12686
Name	OJ000350_71.0328.C5.o3.gs	Method	GENSCAN
Start	10634	End	12686
GI	none	Score	.97
Exons	10634..11135, 11274..12389, 12532..12686		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90791	Strand	+
Start	10634	End	12686
Name	OJ000350_71.0328.C5.o3.np	Method	AAT/NAP
Start	10652	End	12659
GI	6478936	Score	1173
Exons	10652..11135, 11274..12389, 12532..12659		
GI Descrip.	(AC011436) putative laccase [Arabidopsis thaliana]		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90792	Strand	+
Start	17120	End	18048
Name	OJ000350_71.0328.C5.o5.gs	Method	GENSCAN
Start	17120	End	18048
GI	none	Score	.56
Exons	17120..17170, 17287..18048		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90793	Strand	+
Start	19346	End	21361
Name	OJ000350_71.0328.C5.o7.gp	Method	AAT/GAP
Start	19282	End	19643
GI	700579	Score	709
Exons	19282..19643		
GI Descrip.	1621465/gb\|AAB17193.1\| 2.0e-14 (U73105) laccase [Liriodendron tulipifera]		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90793	Strand	+
Start	19346	End	21361
Name	OJ000350_71.0328.C5.o4.np	Method	AAT/NAP
Start	19346	End	21349
GI	6478936	Score	1147
Exons	19346..19832, 19966..21081, 21222..21349		
GI Descrip.	(AC011436) putative laccase [Arabidopsis thaliana]		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90793	Strand	+
Start	19346	End	21361
Name	OJ000350_71.0328.C5.o6.gs	Method	GENSCAN
Start	19346	End	21361
GI	none	Score	1
Exons	19346..19832, 19966..21081, 21222..21361		
Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5

Gene No.	90794	Strand	-
Start	1	End	3650
Name	OJ000350_71.0328.C5.o1.np	Method	AAT/NAP
Start	1	End	3200
GI	4680203	Score	3128
Exons	1..871, 1146..1376, 1530..3200		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90794	Strand	-
Start	1	End	3650
Name	OJ000350_71.0328.C5.o4.gp	Method	AAT/GAP
Start	1	End	3192
GI	342_1.R1084	Score	5474
Exons	1..3192		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90794	Strand	-
Start	1	End	3650
Name	OJ000350_71.0328.C5.o1.gs	Method	GENSCAN
Start	27	End	2963
GI	none	Score	.59
Exons	27..913, 1050..2087, 2389..2561, 2741..2963		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90794	Strand	-
Start	1	End	3650
Name	OJ000350_71.0328.C5.o6.gp	Method	AAT/GAP
Start	2124	End	3650
GI	2310235	Score	299
Exons	2124..2186, 3061..3200, 3613..3650		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90795	Strand	-
Start	3761	End	5948
Name	OJ000350_71.0328.C5.o2.np	Method	AAT/NAP
Start	3761	End	5948
GI	7523502	Score	171
Exons	3761..3785, 5450..5543, 5856..5948		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90796	Strand	-
Start	13247	End	16164
Name	OJ000350_71.0328.C5.o4.gs	Method	GENSCAN
Start	13247	End	16164
GI	none	Score	.57
Exons	13247..13768, 13774..14372, 14727..14818, 14965..15113, 15231..15391, 15864..16164		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686

Name	OJ000350_71.0328.C5.o1.tw	Method	TBLASTX:Wheat
Start	5	End	1263
GI	none	Score	131
Exons	5..40, 29..109, 122..262, 123..263, 210..305, 242..301, 308..352, 313..348, 347..922, 363..881, 776..895, 881..1036, 883..1038, 886..1041, 1030..1263, 1038..1262		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o2.tc	Method	TBLASTX:Cress
Start	530	End	976
GI	none	Score	92
Exons	530..679, 530..922, 534..881, 776..952, 881..976, 883..972, 887..976		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o4.tm	Method	TBLASTX:Maize
Start	907	End	1220
GI	none	Score	83
Exons	907..1032, 935..1060, 1035..1220, 1048..1209		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o3.tw	Method	TBLASTX:Wheat
Start	1264	End	1674
GI	none	Score	81
Exons	1264..1350, 1266..1349, 1382..1594, 1383..1601, 1423..1605, 1611..1673, 1624..1674		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o4.ts	Method	TBLASTX:Soybean
Start	1707	End	1949
GI	none	Score	197
Exons	1707..1949		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o2.tm	Method	TBLASTX:Maize
Start	1779	End	2175
GI	none	Score	77
Exons	1779..1973, 1983..2174, 1983..2174, 1984..2175		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o2.tw	Method	TBLASTX:Wheat
Start	1813	End	2282
GI	none	Score	158
Exons	1813..2019, 1813..2022, 1818..2042, 2022..2120, 2023..2115, 2124..2174, 2128..2175, 2134..2184, 2166..2216, 2177..2227,		

2228..2281, 2229..2282

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o3.ts	Method	TBLASTX:Soybean
Start	2437	End	2721
GI	none	Score	91
Exons	2437..2502, 2509..2721, 2513..2719		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o4.tw	Method	TBLASTX:Wheat
Start	2494	End	2849
GI	none	Score	151
Exons	2494..2730, 2505..2744, 2507..2743, 2509..2745, 2510..2758, 2733..2759, 2742..2849		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o1.ts	Method	TBLASTX:Soybean
Start	10726	End	19834
GI	none	Score	368
Exons	10726..11088, 10727..11092, 10793..11092, 11093..11167, 19423..19785, 19424..19789, 19790..19834		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o1.tc	Method	TBLASTX:Cress
Start	10730	End	19773
GI	none	Score	313
Exons	10730..11074, 10814..11074, 10885..11076, 19427..19771, 19438..19512, 19535..19720, 19582..19773, 19582..19773		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o3.tm	Method	TBLASTX:Maize
Start	10817	End	19831
GI	none	Score	282
Exons	10817..11074, 10859..11089, 10879..11088, 11093..11134, 19514..19786, 19514..19720, 19576..19785, 19790..19831		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o5.tw	Method	TBLASTX:Wheat
Start	10895	End	19864
GI	none	Score	223
Exons	10895..11089, 10895..11086, 10897..11088, 11093..11167, 11095..11136, 19592..19786, 19594..19785, 19790..19864, 19792..19833		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5

Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o2.ts	Method	TBLASTX:Soybean
Start	11834	End	21080
GI	none	Score	69
Exons	11834..11917, 11836..11910, 11927..12079, 12013..12078, 12133..12387, 12140..12388, 12155..12403, 20526..20609, 20640..20771, 20825..21079, 20832..21080		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o1.tm	Method	TBLASTX:Maize
Start	11984	End	21298
GI	none	Score	87
Exons	11984..12079, 11984..12073, 12118..12384, 12118..12390, 12128..12391, 12531..12608, 20676..20780, 20819..21082, 20820..21083, 21221..21298		

Seq. No.	43322	Seq. ID	OJ000350_71.0328.C5
Gene No.	90797	Strand	-
Start	24151	End	24686
Name	OJ000350_71.0328.C5.o8.gp	Method	AAT/GAP
Start	24151	End	24686
GI	52217_1.R1084	Score	416
Exons	24151..24198, 24445..24686		
GI Descrip.	'3688528/emb\|CAA06243.1\| 1.0e-14 (AJ004958) pre-pro-TPE4A protein [Pisum sativum]'		

Seq. No.	43323	Seq. ID	OJ000350_71.0328.C6
Gene No.	90798	Strand	-
Start	3055	End	6304
Name	OJ000350_71.0328.C6.o1.np	Method	AAT/NAP
Start	3055	End	5864
GI	7340860	Score	87
Exons	3055..3109, 4483..4579, 5764..5864		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43323	Seq. ID	OJ000350_71.0328.C6
Gene No.	90798	Strand	-
Start	3055	End	6304
Name	OJ000350_71.0328.C6.o2.np	Method	AAT/NAP
Start	5584	End	6304
GI	6069654	Score	526
Exons	5584..6080, 6235..6304		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90799	Strand	+
Start	79	End	2883
Name	OJ000350_71.0328.C7.o1.gs	Method	GENSCAN
Start	79	End	2773
GI	none	Score	.46
Exons	79..232, 453..788, 1574..1625, 1824..1978, 2639..2773		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7

Gene No.	90799	Strand	+
Start	79	End	2883
Name	OJ000350_71.0328.C7.o1.gp	Method	AAT/GAP
Start	2457	End	2883
GI	4878407	Score	680
Exons	2457..2883		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90800	Strand	-
Start	1	End	1242
Name	OJ000350_71.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	6069653	Score	1850
Exons	1..1001, 1036..1242		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90801	Strand	-
Start	1622	End	3182
Name	OJ000350_71.0328.C7.o2.np	Method	AAT/NAP
Start	1622	End	3182
GI	4680186	Score	195
Exons	1622..1679, 2308..2383, 2963..3182		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o3.np	Method	AAT/NAP
Start	6207	End	11217
GI	4680179	Score	5672
Exons	6207..9587, 9615..10625, 11172..11217		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o6.tw	Method	TBLASTX:Wheat
Start	6252	End	6585
GI	none	Score	123
Exons	6252..6584, 6304..6585		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	6447	End	7032
GI	none	Score	100
Exons	6447..6872, 6448..6645, 6709..6873, 6870..7031, 6877..7032		

Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	6585	End	7211

GI	none	Score	46
Exons	6585..7211, 6586..6648, 6627..7148, 6706..7152, 7176..7208		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o3.tm	Method	TBLASTX:Maize
Start	7080	End	7372
GI	none	Score	81
Exons	7080..7370, 7083..7238, 7084..7371, 7271..7372		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o2.ts	Method	TBLASTX:Soybean
Start	7170	End	7430
GI	none	Score	109
Exons	7170..7418, 7170..7430, 7171..7419		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	7194	End	7520
GI	none	Score	87
Exons	7194..7337, 7195..7335, 7338..7520		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	7218	End	7757
GI	none	Score	299
Exons	7218..7757, 7222..7575		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o2.tm	Method	TBLASTX:Maize
Start	7785	End	8138
GI	none	Score	200
Exons	7785..8138, 7792..8133		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o3.tw	Method	TBLASTX:Wheat
Start	7785	End	8210
GI	none	Score	288
Exons	7785..8210, 7792..8133		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o3.ts	Method	TBLASTX:Soybean
Start	7956	End	8204
GI	none	Score	213

Exons	7956..8204		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o5.tm	Method	TBLASTX:Maize
Start	8145	End	8477
GI	none	Score	146
Exons	8145..8477, 8149..8424		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o5.tw	Method	TBLASTX:Wheat
Start	8211	End	8474
GI	none	Score	250
Exons	8211..8474, 8212..8472		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	8226	End	8621
GI	none	Score	189
Exons	8226..8477, 8236..8469, 8256..8567, 8532..8585, 8542..8583, 8589..8621, 8590..8619		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o4.tm	Method	TBLASTX:Maize
Start	8532	End	8979
GI	none	Score	71
Exons	8532..8975, 8737..8979		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o4.tw	Method	TBLASTX:Wheat
Start	8562	End	9045
GI	none	Score	297
Exons	8562..9044, 8605..9045		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o4.ts	Method	TBLASTX:Soybean
Start	8694	End	9008
GI	none	Score	198
Exons	8694..9008		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o7.tm	Method	TBLASTX:Maize
Start	8982	End	9173
GI	none	Score	105

Exons	8982..9173, 9028..9135		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o8.tw	Method	TBLASTX:Wheat
Start	9177	End	9530
GI	none	Score	56
Exons	9177..9530, 9252..9440		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o7.tw	Method	TBLASTX:Wheat
Start	9864	End	10214
GI	none	Score	63
Exons	9864..10214, 9867..10124		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o6.tm	Method	TBLASTX:Maize
Start	9909	End	10214
GI	none	Score	44
Exons	9909..10214, 10058..10135, 10108..10188		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o9.tw	Method	TBLASTX:Wheat
Start	10266	End	10464
GI	none	Score	55
Exons	10266..10460, 10266..10463, 10267..10464		
Seq. No.	43324	Seq. ID	OJ000350_71.0328.C7
Gene No.	90802	Strand	-
Start	6207	End	11687
Name	OJ000350_71.0328.C7.o4.np	Method	AAT/NAP
Start	10896	End	11687
GI	6983858	Score	1294
Exons	10896..11687		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		
Seq. No.	43325	Seq. ID	OJ000350_71.0328.C8
Gene No.	90803	Strand	-
Start	852	End	2379
Name	OJ000350_71.0328.C8.o1.gs	Method	GENSCAN
Start	852	End	2379
GI	none	Score	.73
Exons	852..1298, 1366..2379		
Seq. No.	43325	Seq. ID	OJ000350_71.0328.C8
Gene No.	90803	Strand	-
Start	852	End	2379
Name	OJ000350_71.0328.C8.o1.np	Method	AAT/NAP
Start	2221	End	2379

GI	6979338	Score	77
Exons	2221..2379		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90804	Strand	-
Start	221	End	1660
Name	OJ000350_71.0328.C9.o1.gs	Method	GENSCAN
Start	221	End	1660
GI	none	Score	.6
Exons	221..358, 462..998, 1070..1660		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90805	Strand	-
Start	2745	End	6795
Name	OJ000350_71.0328.C9.o1.np	Method	AAT/NAP
Start	2165	End	6795
GI	6069646	Score	322
Exons	2165..2615, 6776..6795		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90805	Strand	-
Start	2745	End	6795
Name	OJ000350_71.0328.C9.o2.gs	Method	GENSCAN
Start	2745	End	4061
GI	none	Score	.81
Exons	2745..4061		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90805	Strand	-
Start	2745	End	6795
Name	OJ000350_71.0328.C9.o3.gs	Method	GENSCAN
Start	4749	End	6375
GI	none	Score	.47
Exons	4749..4762, 5690..5826, 6320..6375		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90806	Strand	-
Start	8586	End	11578
Name	OJ000350_71.0328.C9.o2.np	Method	AAT/NAP
Start	8586	End	11578
GI	6907106	Score	430
Exons	8586..8732, 8795..9298, 11363..11578		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90807	Strand	-
Start	13023	End	14798
Name	OJ000350_71.0328.C9.o2.tm	Method	TBLASTX:Maize
Start	3858	End	4061
GI	none	Score	173

Exons	3858..4061, 3865..4038		
Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90807	Strand	-
Start	13023	End	14798
Name	OJ000350_71.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	8685	End	9016
GI	none	Score	70
Exons	8685..8732, 8736..8804, 8740..8805, 8821..9003, 8825..9016		
Seq. No.	43326	Seq. ID	OJ000350_71.0328.C9
Gene No.	90807	Strand	-
Start	13023	End	14798
Name	OJ000350_71.0328.C9.o6.gs	Method	GENSCAN
Start	13023	End	14798
GI	none	Score	1
Exons	13023..14798		
Seq. No.	43327	Seq. ID	OJ000250_67.0303.C1
Gene No.	90808	Strand	-
Start	301	End	904
Name	OJ000250_67.0303.C1.o1.gs	Method	GENSCAN
Start	301	End	904
GI	none	Score	.44
Exons	301..466, 828..904		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90809	Strand	+
Start	175	End	383
Name	OJ000250_67.0303.C2.o1.gs	Method	GENSCAN
Start	175	End	383
GI	none	Score	.69
Exons	175..383		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90810	Strand	+
Start	3890	End	6334
Name	OJ000250_67.0303.C2.o3.gs	Method	GENSCAN
Start	3890	End	6334
GI	none	Score	.5
Exons	3890..3943, 4379..4576, 4659..4780, 5031..5237, 5471..5589, 6084..6334		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90811	Strand	+
Start	9511	End	9750
Name	OJ000250_67.0303.C2.o1.gp	Method	AAT/GAP
Start	9511	End	9750
GI	none	Score	467
Exons	9511..9750		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90812	Strand	-
Start	902	End	2256
Name	OJ000250_67.0303.C2.o2.gs	Method	GENSCAN
Start	902	End	2256
GI	none	Score	.83

Exons	902..1273, 1447..1553, 2202..2256		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90813	Strand	-
Start	4291	End	5804
Name	OJ000250_67.0303.C2.o1.np	Method	AAT/NAP
Start	4291	End	5804
GI	5091497	Score	74
Exons	4291..4459, 4604..5371, 5458..5804		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		
Seq. No.	43328	Seq. ID	OJ000250_67.0303.C2
Gene No.	90814	Strand	-
Start	8002	End	9691
Name	OJ000250_67.0303.C2.o4.gs	Method	GENSCAN
Start	8002	End	9691
GI	none	Score	.47
Exons	8002..8028, 9388..9402, 9590..9691		
Seq. No.	43329	Seq. ID	OJ000250_67.0303.C3
Gene No.	90815	Strand	+
Start	665	End	1729
Name	OJ000250_67.0303.C3.o1.gs	Method	GENSCAN
Start	665	End	1729
GI	none	Score	.94
Exons	665..794, 1212..1729		
Seq. No.	43329	Seq. ID	OJ000250_67.0303.C3
Gene No.	90816	Strand	-
Start	1509	End	1980
Name	OJ000250_67.0303.C3.o1.gp	Method	AAT/GAP
Start	1509	End	1980
GI	42057_1.R1084	Score	854
Exons	1509..1980		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	43329	Seq. ID	OJ000250_67.0303.C3
Gene No.	90817	Strand	-
Start	4768	End	6197
Name	OJ000250_67.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	1232	End	1477
GI	none	Score	203
Exons	1232..1411, 1234..1413, 1405..1476, 1406..1477, 1406..1477		
Seq. No.	43329	Seq. ID	OJ000250_67.0303.C3
Gene No.	90817	Strand	-
Start	4768	End	6197
Name	OJ000250_67.0303.C3.o2.gs	Method	GENSCAN
Start	4768	End	6197
GI	none	Score	.49
Exons	4768..4799, 6083..6197		
Seq. No.	43330	Seq. ID	OJ000250_67.0303.C5
Gene No.	90818	Strand	+
Start	555	End	608

Name	OJ000250_67.0303.C5.o1.gs	Method	GENSCAN
Start	555	End	608
GI	none	Score	.76
Exons	555..608		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o1.gp	Method	AAT/GAP
Start	1	End	861
GI	2388_1.R1084	Score	1437
Exons	1..541, 655..861		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o1.np	Method	AAT/NAP
Start	234	End	3149
GI	4587556	Score	1763
Exons	234..541, 655..1006, 1077..1235, 1334..1794, 2425..2610, 2738..2899, 2930..3149		
GI Descrip.	(AC006577) Similar to gi\|1653162 (p)ppGpp 3-pyrophosphohydrolase from Synechocystis sp genome gb\|D90911. EST gb\|W43807 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o1.gs	Method	GENSCAN
Start	248	End	3106
GI	none	Score	.71
Exons	248..541, 655..1012, 1077..1235, 1334..1794, 2425..2580, 2738..3106		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	269	End	553
GI	none	Score	330
Exons	269..553, 269..541		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	290	End	1171
GI	none	Score	201
Exons	290..541, 291..542, 652..759, 659..760, 787..867, 796..867, 865..1005, 866..1006, 867..1007, 868..1053, 1073..1171, 1074..1169		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149

Name	OJ000250_67.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	314	End	2574
GI	none	Score	48
Exons	314..457, 482..544, 511..543, 652..789, 659..805, 787..867, 788..868, 857..1006, 865..1005, 1073..1237, 1074..1235, 1325..1381, 1330..1773, 1333..1794, 1463..1795, 2422..2574, 2423..2572		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o5.tm	Method	TBLASTX:Maize
Start	652	End	754
GI	none	Score	148
Exons	652..753, 653..754		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	793	End	1236
GI	none	Score	348
Exons	793..1005, 794..1006, 796..1074, 1072..1197, 1073..1234, 1073..1234, 1075..1236		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	1456	End	2761
GI	none	Score	293
Exons	1456..1794, 1463..1795, 2422..2613, 2423..2611, 2729..2761		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	1478	End	1795
GI	none	Score	320
Exons	1478..1795, 1480..1794		

Seq. No.	43331	Seq. ID	OJ000250_67.0303.C6
Gene No.	90819	Strand	-
Start	1	End	3149
Name	OJ000250_67.0303.C6.o4.tm	Method	TBLASTX:Maize
Start	2557	End	2985
GI	none	Score	84
Exons	2557..2613, 2558..2611, 2560..2619, 2729..2890, 2739..2858, 2941..2985		

Seq. No.	43332	Seq. ID	OJ000250_67.0303.C7
Gene No.	90820	Strand	+
Start	1010	End	1357
Name	OJ000250_67.0303.C7.o1.gs	Method	GENSCAN
Start	1010	End	1357
GI	none	Score	.54
Exons	1010..1357		

Seq. No.	43332	Seq. ID	OJ000250_67.0303.C7
Gene No.	90821	Strand	+
Start	1638	End	6475
Name	OJ000250_67.0303.C7.o1.np	Method	AAT/NAP
Start	1638	End	4471
GI	5006853	Score	86
Exons	1638..1689, 2064..2111, 2894..3045, 4414..4471		
GI Descrip.	(AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	43332	Seq. ID	OJ000250_67.0303.C7
Gene No.	90821	Strand	+
Start	1638	End	6475
Name	OJ000250_67.0303.C7.o2.gs	Method	GENSCAN
Start	2668	End	6475
GI	none	Score	.6
Exons	2668..2886, 2932..3045, 3772..3887, 4389..4543, 5193..5270, 6371..6475		

Seq. No.	43333	Seq. ID	OJ000250_67.0303.C8
Gene No.	90822	Strand	+
Start	128	End	1611
Name	OJ000250_67.0303.C8.o1.gs	Method	GENSCAN
Start	128	End	1611
GI	none	Score	.75
Exons	128..285, 1517..1611		

Seq. No.	43333	Seq. ID	OJ000250_67.0303.C8
Gene No.	90823	Strand	-
Start	3679	End	5969
Name	OJ000250_67.0303.C8.o2.gs	Method	GENSCAN
Start	3679	End	5969
GI	none	Score	.41
Exons	3679..3852, 4723..4800, 5805..5969		

Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.np	Method	AAT/NAP
Start	160	End	1509
GI	553073	Score	514
Exons	160..683, 1390..1509		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	166	End	621
GI	none	Score	75
Exons	166..267, 240..614, 250..621, 268..606, 312..620		

Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	226	End	630

GI	none	Score	266
Exons	226..630, 327..545		
Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.tc	Method	TBLASTX:Cress
Start	232	End	660
GI	none	Score	267
Exons	232..660, 453..659		
Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	292	End	639
GI	none	Score	305
Exons	292..639, 327..638		
Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o1.gs	Method	GENSCAN
Start	319	End	1382
GI	none	Score	.4
Exons	319..473, 669..846, 1331..1382		
Seq. No.	43334	Seq. ID	OJ000250_67.0303.C11
Gene No.	90824	Strand	+
Start	160	End	1509
Name	OJ000250_67.0303.C11.o2.np	Method	AAT/NAP
Start	805	End	1509
GI	544262	Score	80
Exons	805..846, 1161..1509		
GI Descrip.	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP) gi\|322761\|pir\|\|JQ1696 pistil extensin-like protein precursor (clone pMG15) - common tobacco gi\|19929\|emb\|CAA78397\| (Z14019) pistil extensin like protein [Nicotiana tabacum]		
Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90825	Strand	+
Start	567	End	5385
Name	OJ000250_67.0303.C12.o1.gs	Method	GENSCAN
Start	691	End	3567
GI	none	Score	.77
Exons	691..735, 1705..1819, 1962..2154, 3273..3567		
Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90825	Strand	+
Start	567	End	5385
Name	OJ000250_67.0303.C12.o2.np	Method	AAT/NAP
Start	1643	End	3881
GI	553073	Score	259
Exons	1643..2209, 3860..3881		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		
Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12

Gene No.	90825	Strand	+
Start	567	End	5385
Name	OJ000250_67.0303.C12.o4.np	Method	AAT/NAP
Start	2836	End	5385
GI	5852175	Score	163
Exons	2836..2943, 3383..3450, 4006..4058, 4631..4731, 5349..5385		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90825	Strand	+
Start	567	End	5385
Name	OJ000250_67.0303.C12.o2.gp	Method	AAT/GAP
Start	3524	End	4260
GI	101153_1.R1084	Score	377
Exons	3524..3563, 4011..4260		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90825	Strand	+
Start	567	End	5385
Name	OJ000250_67.0303.C12.o3.gp	Method	AAT/GAP
Start	5242	End	5385
GI	61605_1.R1084	Score	239
Exons	5242..5385		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90826	Strand	-
Start	500	End	5385
Name	OJ000250_67.0303.C12.o1.np	Method	AAT/NAP
Start	500	End	5385
GI	4680186	Score	393
Exons	500..700, 1542..1595, 5329..5385		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90826	Strand	-
Start	500	End	5385
Name	OJ000250_67.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	2008	End	2208
GI	none	Score	203
Exons	2008..2208, 2009..2191		

Seq. No.	43335	Seq. ID	OJ000250_67.0303.C12
Gene No.	90826	Strand	-
Start	500	End	5385
Name	OJ000250_67.0303.C12.o3.np	Method	AAT/NAP
Start	3240	End	4621
GI	5852179	Score	246
Exons	3240..3611, 4601..4621		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43336	Seq. ID	OJ000250_67.0303.C13
Gene No.	90827	Strand	+
Start	1	End	2635

Name	OJ000250_67.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	2165
GI	4512618	Score	1148
Exons	1..1316, 2003..2165		
GI Descrip.	(AC004793) Strong similarity to gi\|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb\|AF080119 and is a member of the reverse transcriptase family PF\|00078.		

Seq. No.	43336	Seq. ID	OJ000250_67.0303.C13
Gene No.	90827	Strand	+
Start	1	End	2635
Name	OJ000250_67.0303.C13.o1.gs	Method	GENSCAN
Start	155	End	2635
GI	none	Score	.69
Exons	155..507, 519..1345, 1518..1631, 1875..2635		

Seq. No.	43336	Seq. ID	OJ000250_67.0303.C13
Gene No.	90828	Strand	+
Start	4119	End	6001
Name	OJ000250_67.0303.C13.o2.gs	Method	GENSCAN
Start	4119	End	6001
GI	none	Score	.71
Exons	4119..4192, 4703..4754, 4828..5039, 5881..6001		

Seq. No.	43336	Seq. ID	OJ000250_67.0303.C13
Gene No.	90829	Strand	+
Start	8981	End	9437
Name	OJ000250_67.0303.C13.o2.np	Method	AAT/NAP
Start	8981	End	9437
GI	7340909	Score	151
Exons	8981..9437		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43336	Seq. ID	OJ000250_67.0303.C13
Gene No.	90830	Strand	-
Start	7150	End	9280
Name	OJ000250_67.0303.C13.o3.gs	Method	GENSCAN
Start	7150	End	9280
GI	none	Score	.57
Exons	7150..7436, 7596..7968, 9191..9280		

Seq. No.	43337	Seq. ID	OJ000250_67.0303.C14
Gene No.	90831	Strand	-
Start	197	End	1860
Name	OJ000250_67.0303.C14.o1.gs	Method	GENSCAN
Start	197	End	1860
GI	none	Score	.8
Exons	197..599, 620..805, 1559..1694, 1817..1860		

Seq. No.	43337	Seq. ID	OJ000250_67.0303.C14
Gene No.	90831	Strand	-
Start	197	End	1860
Name	OJ000250_67.0303.C14.o1.np	Method	AAT/NAP
Start	1348	End	1829
GI	6721543	Score	73
Exons	1348..1458, 1703..1829		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90832	Strand	+
Start	2485	End	4047
Name	OJ000250_67.0303.C15.o1.gs	Method	GENSCAN
Start	2485	End	4047
GI	none	Score	.98
Exons	2485..4047		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90832	Strand	+
Start	2485	End	4047
Name	OJ000250_67.0303.C15.o1.np	Method	AAT/NAP
Start	2485	End	4044
GI	7430636	Score	1603
Exons	2485..4044		
GI Descrip.	probable cytochrome P450, hypersensitivity-related - common tobacco gi\|1171579\|emb\|CAA64635.1\| (X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90833	Strand	+
Start	4721	End	5736
Name	OJ000250_67.0303.C15.o2.np	Method	AAT/NAP
Start	4721	End	5736
GI	6069646	Score	471
Exons	4721..5736		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90834	Strand	+
Start	6255	End	7563
Name	OJ000250_67.0303.C15.o3.np	Method	AAT/NAP
Start	6255	End	7563
GI	5777617	Score	85
Exons	6255..6297, 7466..7563		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	2564	End	2949
GI	none	Score	70
Exons	2564..2620, 2565..2621, 2566..2949, 2598..2930, 2887..2949		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	2569	End	4047
GI	none	Score	441
Exons	2569..3063, 2601..2930, 3007..3108, 3090..3275, 3091..3303,		

3298..4047, 3366..3620, 3684..3926, 3967..4038

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	2578	End	3933
GI	none	Score	86
Exons	2578..2700, 2607..2765, 2764..2967, 3022..3102, 3220..3285, 3393..3620, 3400..3777, 3811..3933		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	2584	End	2901
GI	none	Score	190
Exons	2584..2901, 2601..2807		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	2992	End	3258
GI	none	Score	88
Exons	2992..3075, 2994..3065, 3016..3069, 3081..3257, 3091..3258		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	3262	End	4041
GI	none	Score	835
Exons	3262..4041, 3372..3926		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	3373	End	3726
GI	none	Score	264
Exons	3373..3726, 3402..3491, 3579..3725		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o2.tw	Method	TBLASTX:Wheat
Start	3751	End	4029
GI	none	Score	229
Exons	3751..3912, 3754..4029		

Seq. No.	43338	Seq. ID	OJ000250_67.0303.C15
Gene No.	90835	Strand	-
Start	4528	End	6116
Name	OJ000250_67.0303.C15.o2.gs	Method	GENSCAN
Start	4528	End	6116
GI	none	Score	.89

Exons	4528..4688, 4878..5067, 6051..6116		
Seq. No.	43339	Seq. ID	OJ000250_67.0303.C16
Gene No.	90836	Strand	+
Start	1	End	155
Name	OJ000250_67.0303.C16.o1.np	Method	AAT/NAP
Start	1	End	155
GI	5441881	Score	147
Exons	1..155		
GI Descrip.	(AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		
Seq. No.	43339	Seq. ID	OJ000250_67.0303.C16
Gene No.	90837	Strand	-
Start	1	End	395
Name	OJ000250_67.0303.C16.o1.gp	Method	AAT/GAP
Start	1	End	395
GI	5816568	Score	520
Exons	1..310, 374..395		
GI Descrip.	5441881/dbj\|BAA82379.1\| 4.0e-10 (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		
Seq. No.	43339	Seq. ID	OJ000250_67.0303.C16
Gene No.	90837	Strand	-
Start	1	End	395
Name	OJ000250_67.0303.C16.o1.gs	Method	GENSCAN
Start	8	End	169
GI	none	Score	.44
Exons	8..169		
Seq. No.	43339	Seq. ID	OJ000250_67.0303.C16
Gene No.	90838	Strand	-
Start	1843	End	2466
Name	OJ000250_67.0303.C16.o2.gs	Method	GENSCAN
Start	1843	End	2373
GI	none	Score	.77
Exons	1843..2373		
Seq. No.	43339	Seq. ID	OJ000250_67.0303.C16
Gene No.	90838	Strand	-
Start	1843	End	2466
Name	OJ000250_67.0303.C16.o2.np	Method	AAT/NAP
Start	1849	End	2466
GI	7484878	Score	131
Exons	1849..2043, 2191..2466		
GI Descrip.	copper transport protein homolog T6H20.70 - Arabidopsis thaliana gi\|5541669\|emb\|CAB51175.1\| (AL096859) copper transporter protein homolog [Arabidopsis thaliana]		
Seq. No.	43340	Seq. ID	OJ000250_67.0303.C22
Gene No.	90839	Strand	+
Start	719	End	1680
Name	OJ000250_67.0303.C22.o1.np	Method	AAT/NAP
Start	719	End	1680
GI	6630699	Score	211
Exons	719..978, 1601..1680		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	43340	Seq. ID	OJ000250_67.0303.C22
Gene No.	90840	Strand	-
Start	1	End	2399
Name	OJ000250_67.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	359
GI	none	Score	61
Exons	1..51, 6..152, 9..149, 201..269, 201..266, 285..359		

Seq. No.	43340	Seq. ID	OJ000250_67.0303.C22
Gene No.	90840	Strand	-
Start	1	End	2399
Name	OJ000250_67.0303.C22.o2.np	Method	AAT/NAP
Start	1	End	2399
GI	7485592	Score	328
Exons	1..48, 1289..1710, 1789..2071, 2360..2399		
GI Descrip.	hypothetical protein F17A8.10 - Arabidopsis thaliana gi\|4538896\|emb\|CAB39633.1\| (AL049482) putative protein [Arabidopsis thaliana] gi\|7267661\|emb\|CAB78089.1\| (AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	43340	Seq. ID	OJ000250_67.0303.C22
Gene No.	90840	Strand	-
Start	1	End	2399
Name	OJ000250_67.0303.C22.o1.gs	Method	GENSCAN
Start	192	End	1695
GI	none	Score	.73
Exons	192..443, 500..772, 866..1000, 1613..1695		

Seq. No.	43341	Seq. ID	OJ000250_67.0303.C23
Gene No.	90841	Strand	+
Start	601	End	666
Name	OJ000250_67.0303.C23.o1.gs	Method	GENSCAN
Start	601	End	666
GI	none	Score	.47
Exons	601..666		

Seq. No.	43341	Seq. ID	OJ000250_67.0303.C23
Gene No.	90842	Strand	-
Start	87	End	752
Name	OJ000250_67.0303.C23.o1.np	Method	AAT/NAP
Start	87	End	752
GI	6069654	Score	397
Exons	87..752		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43342	Seq. ID	OJ000250_67.0303.C24
Gene No.	90843	Strand	+
Start	2737	End	3171
Name	OJ000250_67.0303.C24.o2.gs	Method	GENSCAN
Start	2737	End	3171
GI	none	Score	.7
Exons	2737..3171		

Seq. No.	43342	Seq. ID	OJ000250_67.0303.C24

Gene No.	90844	Strand	+
Start	5477	End	5930
Name	OJ000250_67.0303.C24.o3.gs	Method	GENSCAN
Start	5477	End	5930
GI	none	Score	.69
Exons	5477..5498, 5701..5930		

Seq. No.	43342	Seq. ID	OJ000250_67.0303.C24
Gene No.	90845	Strand	+
Start	7749	End	8072
Name	OJ000250_67.0303.C24.o4.gs	Method	GENSCAN
Start	7749	End	8072
GI	none	Score	.56
Exons	7749..8072		

Seq. No.	43342	Seq. ID	OJ000250_67.0303.C24
Gene No.	90846	Strand	-
Start	122	End	3104
Name	OJ000250_67.0303.C24.o1.gs	Method	GENSCAN
Start	122	End	2039
GI	none	Score	.85
Exons	122..210, 1002..1120, 1533..1724, 1981..2039		

Seq. No.	43342	Seq. ID	OJ000250_67.0303.C24
Gene No.	90846	Strand	-
Start	122	End	3104
Name	OJ000250_67.0303.C24.o1.np	Method	AAT/NAP
Start	155	End	3104
GI	4680186	Score	194
Exons	155..210, 872..1000, 1551..1743, 2941..3104		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90847	Strand	+
Start	1035	End	1425
Name	OJ000250_67.0303.C25.o1.gs	Method	GENSCAN
Start	1035	End	1425
GI	none	Score	.83
Exons	1035..1113, 1190..1264, 1310..1425		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90848	Strand	+
Start	3445	End	3894
Name	OJ000250_67.0303.C25.o2.gs	Method	GENSCAN
Start	3445	End	3894
GI	none	Score	.93
Exons	3445..3894		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90849	Strand	+
Start	4713	End	5978
Name	OJ000250_67.0303.C25.o3.gs	Method	GENSCAN
Start	4713	End	5978
GI	none	Score	.7
Exons	4713..5146, 5565..5749, 5875..5978		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25

Gene No.	90850	Strand	+
Start	15703	End	16130
Name	OJ000250_67.0303.C25.o1.gp	Method	AAT/GAP
Start	15703	End	16130
GI	4878407	Score	665
Exons	15703..16130		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90851	Strand	-
Start	6392	End	11382
Name	OJ000250_67.0303.C25.o1.np	Method	AAT/NAP
Start	6358	End	8687
GI	4006829	Score	1011
Exons	6358..6547, 6584..7117, 7687..7823, 8047..8182, 8284..8687		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90851	Strand	-
Start	6392	End	11382
Name	OJ000250_67.0303.C25.o4.gs	Method	GENSCAN
Start	6392	End	11382
GI	none	Score	.5
Exons	6392..7117, 7687..7823, 8047..8182, 8284..8836, 10109..10268, 11025..11382		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90852	Strand	-
Start	12431	End	14617
Name	OJ000250_67.0303.C25.o2.np	Method	AAT/NAP
Start	12431	End	14617
GI	6069654	Score	1482
Exons	12431..12775, 12828..13190, 13247..13391, 13608..14617		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	6651	End	8529
GI	none	Score	67
Exons	6651..6671, 6680..6829, 6680..6832, 6699..6830, 6830..7117, 6851..7102, 6870..7112, 6939..7118, 7685..7807, 7687..7812, 8048..8179, 8061..8180, 8284..8310, 8285..8311, 8314..8529, 8315..8464		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	6674	End	7109
GI	none	Score	181
Exons	6674..6832, 6674..6832, 6830..7108, 6834..7109		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-

Start	15547	End	17819
Name	OJ000250_67.0303.C25.o1.tc	Method	TBLASTX:Cress
Start	6695	End	8496
GI	none	Score	42
Exons	6695..6832, 6830..7117, 6855..6896, 6930..7112, 6941..7117, 7687..7809, 7688..7804, 8048..8182, 8061..8144, 8284..8310, 8371..8496		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o1.tw	Method	TBLASTX:Wheat
Start	6722	End	7124
GI	none	Score	109
Exons	6722..6832, 6726..6833, 6830..7123, 6834..7124, 6834..7124		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o2.tm	Method	TBLASTX:Maize
Start	7685	End	8437
GI	none	Score	135
Exons	7685..7807, 7687..7815, 7687..7812, 8048..8182, 8048..8182, 8283..8303, 8284..8310, 8314..8346, 8353..8436, 8387..8437		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o2.tw	Method	TBLASTX:Wheat
Start	7714	End	14286
GI	none	Score	112
Exons	7714..7812, 7715..7822, 8033..8170, 8034..8138, 8045..8191, 8284..8310, 8314..8424, 14218..14286		

Seq. No.	43343	Seq. ID	OJ000250_67.0303.C25
Gene No.	90853	Strand	-
Start	15547	End	17819
Name	OJ000250_67.0303.C25.o3.np	Method	AAT/NAP
Start	15547	End	17819
GI	4680186	Score	184
Exons	15547..15687, 16270..16433, 17710..17819		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90854	Strand	+
Start	1582	End	2898
Name	OJ000350_65.0327.C3.o1.gs	Method	GENSCAN
Start	1582	End	2898
GI	none	Score	.4
Exons	1582..1671, 2199..2339, 2670..2898		

Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o1.tm	Method	TBLASTX:Maize
Start	4783	End	5031
GI	none	Score	206

Exons	4783..5013, 4785..5027, 4789..5031		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o2.ts	Method	TBLASTX:Soybean
Start	4800	End	5021
GI	none	Score	90
Exons	4800..5021, 4813..5016		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o1.np	Method	AAT/NAP
Start	7562	End	12393
GI	6069646	Score	478
Exons	7562..8550, 8833..9015, 12369..12393		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o3.tw	Method	TBLASTX:Wheat
Start	7580	End	7981
GI	none	Score	119
Exons	7580..7753, 7832..7981		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o2.tm	Method	TBLASTX:Maize
Start	7772	End	8049
GI	none	Score	127
Exons	7772..8044, 7851..8048, 7924..8049		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o3.gs	Method	GENSCAN
Start	7787	End	12326
GI	none	Score	.68
Exons	7787..8668, 8876..8989, 9403..9425, 9886..10029, 10556..10758, 12235..12326		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o2.tw	Method	TBLASTX:Wheat
Start	7988	End	8377
GI	none	Score	72
Exons	7988..8149, 8007..8150, 8198..8377		
Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3

Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o1.ts	Method	TBLASTX:Soybean
Start	8459	End	8998
GI	none	Score	51
Exons	8459..8587, 8481..8588, 8618..8641, 8648..8998, 8700..8819		

Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o3.tm	Method	TBLASTX:Maize
Start	8462	End	8854
GI	none	Score	279
Exons	8462..8854		

Seq. No.	43344	Seq. ID	OJ000350_65.0327.C3
Gene No.	90855	Strand	-
Start	7562	End	12393
Name	OJ000350_65.0327.C3.o1.tw	Method	TBLASTX:Wheat
Start	8537	End	8977
GI	none	Score	87
Exons	8537..8695, 8675..8977, 8685..8975		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90856	Strand	+
Start	246	End	767
Name	OJ000350_65.0327.C4.o1.gs	Method	GENSCAN
Start	246	End	767
GI	none	Score	.57
Exons	246..548, 588..767		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o1.np	Method	AAT/NAP
Start	1213	End	5001
GI	7444451	Score	2252
Exons	1213..3616, 3657..3746, 4635..5001		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.gs	Method	GENSCAN
Start	1222	End	2277
GI	none	Score	.95
Exons	1222..2277		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.tc	Method	TBLASTX:Cress
Start	1285	End	1785
GI	none	Score	211
Exons	1285..1785		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o1.tm	Method	TBLASTX:Maize
Start	1302	End	1731
GI	none	Score	90
Exons	1302..1382, 1303..1416, 1402..1731, 1446..1724		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o3.tw	Method	TBLASTX:Wheat
Start	1546	End	1860
GI	none	Score	230
Exons	1546..1860, 1632..1787		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o3.tm	Method	TBLASTX:Maize
Start	1732	End	2328
GI	none	Score	84
Exons	1732..1851, 1961..2002, 2055..2126, 2062..2136, 2179..2301, 2179..2328		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o1.tw	Method	TBLASTX:Wheat
Start	2125	End	2507
GI	none	Score	215
Exons	2125..2346, 2179..2343, 2344..2505, 2355..2507		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.ts	Method	TBLASTX:Soybean
Start	2569	End	2982
GI	none	Score	71
Exons	2569..2664, 2668..2784, 2803..2982		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.tm	Method	TBLASTX:Maize
Start	2992	End	3411
GI	none	Score	57
Exons	2992..3078, 2994..3077, 3093..3266, 3100..3411, 3247..3411		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o1.tc	Method	TBLASTX:Cress
Start	2995	End	3444
GI	none	Score	325
Exons	2995..3444		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	3007	End	3426
GI	none	Score	267
Exons	3007..3426		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.tw	Method	TBLASTX:Wheat
Start	3100	End	3444
GI	none	Score	276
Exons	3100..3444		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o3.np	Method	AAT/NAP
Start	3232	End	5001
GI	73648	Score	42
Exons	3232..3254, 4681..5001		
GI Descrip.	immediate-early protein IE180 - suid herpesvirus 1 (strain Indiana-Funkhauser)		

Seq. No.	43345	Seq. ID	OJ000350_65.0327.C4
Gene No.	90857	Strand	+
Start	1222	End	5001
Name	OJ000350_65.0327.C4.o2.np	Method	AAT/NAP
Start	3573	End	5001
GI	5922623	Score	137
Exons	3573..3676, 4232..4365, 4553..4629, 4929..5001		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90858	Strand	+
Start	286	End	6516
Name	OJ000350_65.0327.C5.o1.gs	Method	GENSCAN
Start	286	End	744
GI	none	Score	.6
Exons	286..744		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90858	Strand	+
Start	286	End	6516
Name	OJ000350_65.0327.C5.o1.np	Method	AAT/NAP
Start	286	End	6513
GI	6907089	Score	4261
Exons	286..696, 3684..4534, 4638..6513		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90858	Strand	+

Start	286	End	6516
Name	OJ000350_65.0327.C5.o2.gs	Method	GENSCAN
Start	2667	End	6516
GI	none	Score	.8
Exons	2667..2729, 3120..3203, 3669..4534, 4638..4866, 4921..6035, 6076..6361, 6370..6516		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90859	Strand	+
Start	10976	End	11499
Name	OJ000350_65.0327.C5.o5.gp	Method	AAT/GAP
Start	10976	End	11499
GI	uC-osflM202048c12b1	Score	830
Exons	10976..11499		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90860	Strand	+
Start	11640	End	11706
Name	OJ000350_65.0327.C5.o6.gp	Method	AAT/GAP
Start	11640	End	11706
GI	uC-osroM202024h08a1	Score	91
Exons	11640..11706		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90861	Strand	+
Start	12074	End	12589
Name	OJ000350_65.0327.C5.o4.gs	Method	GENSCAN
Start	12074	End	12589
GI	none	Score	.96
Exons	12074..12288, 12517..12589		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90862	Strand	-
Start	697	End	970
Name	OJ000350_65.0327.C5.o1.gp	Method	AAT/GAP
Start	697	End	970
GI	61605_1.R1084	Score	462
Exons	697..970		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90863	Strand	-
Start	1960	End	2693
Name	OJ000350_65.0327.C5.o3.gp	Method	AAT/GAP
Start	1960	End	2693
GI	101153_1.R1084	Score	407
Exons	1960..2187, 2646..2693		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-

Start	7139	End	20143
Name	OJ000350_65.0327.C5.o5.tw	Method	TBLASTX:Wheat
Start	6288	End	18091
GI	none	Score	56
Exons	6288..6389, 9909..10214, 9911..10213, 17849..18091		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o3.gs	Method	GENSCAN
Start	7139	End	10867
GI	none	Score	.58
Exons	7139..10230, 10864..10867		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o6.tm	Method	TBLASTX:Maize
Start	7139	End	7283
GI	none	Score	128
Exons	7139..7282, 7143..7283		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o2.np	Method	AAT/NAP
Start	7142	End	20143
GI	7228457	Score	4682
Exons	7142..8692, 8759..9568, 9617..9955, 10078..10216, 18086..18760, 20086..20143		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o7.tw	Method	TBLASTX:Wheat
Start	7151	End	16682
GI	none	Score	77
Exons	7151..7276, 7155..7277, 7307..7381, 7457..7753, 7470..7748, 16614..16682		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o4.tw	Method	TBLASTX:Wheat
Start	7754	End	8135
GI	none	Score	224
Exons	7754..8134, 7785..8135		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o4.tm	Method	TBLASTX:Maize
Start	7929	End	8272
GI	none	Score	221

Exons	7929..8078, 7949..8272, 7962..8243		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o10.tw	Method	TBLASTX:Wheat
Start	8465	End	8777
GI	none	Score	67
Exons	8465..8716, 8601..8777		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o6.tw	Method	TBLASTX:Wheat
Start	8780	End	9238
GI	none	Score	148
Exons	8780..8929, 8963..9214, 8964..9149, 8984..9238		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	9875	End	17965
GI	none	Score	242
Exons	9875..10102, 17525..17566, 17558..17965, 17589..17912		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o1.ts	Method	TBLASTX:Soybean
Start	9992	End	18257
GI	none	Score	170
Exons	9992..10189, 17861..18112, 17871..18104, 17891..18202, 18057..18212, 18167..18220, 18177..18218, 18224..18256, 18225..18254, 18225..18257		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o5.gs	Method	GENSCAN
Start	13688	End	14792
GI	none	Score	.74
Exons	13688..13769, 14065..14252, 14306..14509, 14547..14792		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o7.gp	Method	AAT/GAP
Start	16220	End	16602
GI	uC-osf1cyp033a04b1	Score	720
Exons	16220..16602		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143

Name	OJ000350_65.0327.C5.o9.tw	Method	TBLASTX:Wheat
Start	16686	End	16847
GI	none	Score	151
Exons	16686..16847, 16693..16842		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o2.tm	Method	TBLASTX:Maize
Start	16716	End	17007
GI	none	Score	84
Exons	16716..17006, 16719..16874, 16720..17007		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o2.ts	Method	TBLASTX:Soybean
Start	16806	End	17066
GI	none	Score	122
Exons	16806..17054, 16806..17066, 16807..17055		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o1.tc	Method	TBLASTX:Cress
Start	16830	End	17156
GI	none	Score	85
Exons	16830..16973, 16831..16971, 16974..17156		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o1.tw	Method	TBLASTX:Wheat
Start	16854	End	17393
GI	none	Score	309
Exons	16854..17393, 16858..17211		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o2.tw	Method	TBLASTX:Wheat
Start	17421	End	17845
GI	none	Score	53
Exons	17421..17480, 17428..17478, 17483..17728, 17483..17845, 17484..17843		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o3.ts	Method	TBLASTX:Soybean
Start	17591	End	17839
GI	none	Score	38
Exons	17591..17839, 17610..17654, 17709..17813		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143

Name	OJ000350_65.0327.C5.o3.tm	Method	TBLASTX:Maize
Start	18167	End	18614
GI	none	Score	65
Exons	18167..18610, 18372..18614		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o3.tw	Method	TBLASTX:Wheat
Start	18197	End	18680
GI	none	Score	288
Exons	18197..18679, 18240..18680		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o4.ts	Method	TBLASTX:Soybean
Start	18326	End	18643
GI	none	Score	198
Exons	18326..18643		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o5.tm	Method	TBLASTX:Maize
Start	18617	End	18808
GI	none	Score	105
Exons	18617..18808, 18663..18770		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o8.tw	Method	TBLASTX:Wheat
Start	18812	End	19165
GI	none	Score	255
Exons	18812..19165		

Seq. No.	43346	Seq. ID	OJ000350_65.0327.C5
Gene No.	90864	Strand	-
Start	7139	End	20143
Name	OJ000350_65.0327.C5.o3.np	Method	AAT/NAP
Start	18944	End	19194
GI	7489758	Score	58
Exons	18944..19194		
GI Descrip.	hypothetical protein - maize (fragment) gi\|2065470\|emb\|CAA73301.1\| (Y12762) hypothetical protein [Zea mays]		

Seq. No.	43347	Seq. ID	OJ000350_65.0327.C6
Gene No.	90865	Strand	+
Start	607	End	1923
Name	OJ000350_65.0327.C6.o1.np	Method	AAT/NAP
Start	607	End	1923
GI	5852180	Score	531
Exons	607..724, 776..1187, 1886..1923		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43347	Seq. ID	OJ000350_65.0327.C6
Gene No.	90866	Strand	-
Start	286	End	1305
Name	OJ000350_65.0327.C6.o1.gs	Method	GENSCAN
Start	286	End	1305
GI	none	Score	.61
Exons	286..371, 666..768, 931..1305		

Seq. No.	43348	Seq. ID	OJ000350_65.0327.C8
Gene No.	90867	Strand	+
Start	70	End	182
Name	OJ000350_65.0327.C8.o1.gs	Method	GENSCAN
Start	70	End	182
GI	none	Score	.87
Exons	70..182		

Seq. No.	43349	Seq. ID	OJ000350_65.0327.C13
Gene No.	90868	Strand	+
Start	533	End	4755
Name	OJ000350_65.0327.C13.o1.gs	Method	GENSCAN
Start	533	End	4433
GI	none	Score	.57
Exons	533..661, 1738..1802, 1956..1968, 2060..2172, 2201..2285, 2581..2785, 2935..3078, 4022..4076, 4378..4433		

Seq. No.	43349	Seq. ID	OJ000350_65.0327.C13
Gene No.	90868	Strand	+
Start	533	End	4755
Name	OJ000350_65.0327.C13.o2.np	Method	AAT/NAP
Start	1002	End	4755
GI	5042454	Score	300
Exons	1002..1123, 2171..2250, 2813..3189, 4718..4755		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43349	Seq. ID	OJ000350_65.0327.C13
Gene No.	90869	Strand	-
Start	1	End	59
Name	OJ000350_65.0327.C13.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	2312838	Score	85
Exons	1..59		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	43349	Seq. ID	OJ000350_65.0327.C13
Gene No.	90870	Strand	-
Start	1002	End	2521
Name	OJ000350_65.0327.C13.o1.np	Method	AAT/NAP
Start	1002	End	2521
GI	5852093	Score	77
Exons	1002..1147, 2441..2521		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90871	Strand	+
Start	1295	End	1317
Name	OJ000350_65.0327.C14.o1.gs	Method	GENSCAN

Start	1295	End	1317
GI	none	Score	.51
Exons	1295..1317		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90872	Strand	+
Start	3300	End	3626
Name	OJ000350_65.0327.C14.o1.tm	Method	TBLASTX:Maize
Start	3201	End	3527
GI	none	Score	38
Exons	3201..3332, 3270..3290, 3277..3333, 3280..3333, 3333..3527, 3334..3525		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90872	Strand	+
Start	3300	End	3626
Name	OJ000350_65.0327.C14.o1.gp	Method	AAT/GAP
Start	3300	End	3542
GI	uC-osf1M202047h08b1	Score	422
Exons	3300..3542		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90872	Strand	+
Start	3300	End	3626
Name	OJ000350_65.0327.C14.o1.ts	Method	TBLASTX:Soybean
Start	3399	End	3534
GI	none	Score	213
Exons	3399..3530, 3415..3534		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90872	Strand	+
Start	3300	End	3626
Name	OJ000350_65.0327.C14.o1.tc	Method	TBLASTX:Cress
Start	3414	End	3534
GI	none	Score	206
Exons	3414..3530, 3415..3534		

Seq. No.	43350	Seq. ID	OJ000350_65.0327.C14
Gene No.	90872	Strand	+
Start	3300	End	3626
Name	OJ000350_65.0327.C14.o1.np	Method	AAT/NAP
Start	3418	End	3626
GI	2347100	Score	178
Exons	3418..3626		
GI Descrip.	(U76846) ubiquitin-specific protease [Arabidopsis thaliana] gi\|4567196\|gb\|AAD23612.1\|AC007168_3 (AC007168) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	43351	Seq. ID	OJ000350_65.0327.C15
Gene No.	90873	Strand	+
Start	227	End	2685
Name	OJ000350_65.0327.C15.o1.np	Method	AAT/NAP
Start	227	End	2685
GI	7488412	Score	235
Exons	227..460, 2601..2685		

GI Descrip. ubiquitin-specific proteinase (EC 3.4.-.-) UBP3 - Arabidopsis thaliana gi|2347098|gb|AAB67966.1| (U76845) ubiquitin-specific protease [Arabidopsis thaliana] gi|4490742|emb|CAB38904.1| (AL035708) ubiquitin-specific protease (AtUBP3) [Arabidopsis thaliana] gi|7271046|emb|CAB80654.1| (AL161596) ubiquitin-specific protease (AtUBP3) [Arabidopsis thaliana]

Seq. No.	43351	Seq. ID	OJ000350_65.0327.C15
Gene No.	90873	Strand	+
Start	227	End	2685
Name	OJ000350_65.0327.C15.o1.tc	Method	TBLASTX:Cress
Start	334	End	2684
GI	none	Score	185
Exons	334..477, 335..481, 2597..2683, 2598..2684		

Seq. No.	43351	Seq. ID	OJ000350_65.0327.C15
Gene No.	90873	Strand	+
Start	227	End	2685
Name	OJ000350_65.0327.C15.o1.ts	Method	TBLASTX:Soybean
Start	334	End	2645
GI	none	Score	193
Exons	334..486, 335..481, 2598..2645		

Seq. No.	43351	Seq. ID	OJ000350_65.0327.C15
Gene No.	90873	Strand	+
Start	227	End	2685
Name	OJ000350_65.0327.C15.o1.tm	Method	TBLASTX:Maize
Start	334	End	2684
GI	none	Score	193
Exons	334..450, 335..481, 335..460, 2598..2684, 2612..2683		

Seq. No.	43351	Seq. ID	OJ000350_65.0327.C15
Gene No.	90873	Strand	+
Start	227	End	2685
Name	OJ000350_65.0327.C15.o1.gp	Method	AAT/GAP
Start	335	End	2685
GI	uC-osf1M202047h08b1	Score	345
Exons	335..460, 2601..2685		

GI Descrip. '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No.	43352	Seq. ID	OJ000350_65.0327.C17
Gene No.	90874	Strand	+
Start	358	End	456
Name	OJ000350_65.0327.C17.o1.gs	Method	GENSCAN
Start	358	End	456
GI	none	Score	.99
Exons	358..456		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o1.np	Method	AAT/NAP
Start	1516	End	3261
GI	347855	Score	1128
Exons	1516..1654, 1758..2713, 2804..3261		

GI Descrip. (L21753) glucose transporter [Saccharum hybrid cultivar

H65-7052]

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o2.gs	Method	GENSCAN
Start	1516	End	3247
GI	none	Score	.97
Exons	1516..1654, 1674..2713, 2780..3247		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o2.tm	Method	TBLASTX:Maize
Start	1528	End	2080
GI	none	Score	67
Exons	1528..1626, 1529..1654, 1558..1656, 1578..1655, 1736..2080, 1756..2079		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o1.ts	Method	TBLASTX:Soybean
Start	1555	End	3211
GI	none	Score	103
Exons	1555..1656, 1578..1655, 1726..1836, 1751..1831, 1841..1951, 1939..2196, 2015..2236, 2210..2323, 2251..2313, 2401..2667, 2402..2716, 2858..3169, 2923..3069, 3176..3211		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o1.tc	Method	TBLASTX:Cress
Start	1564	End	3211
GI	none	Score	106
Exons	1564..1656, 1578..1655, 1726..1878, 1736..1951, 1930..2199, 2015..2206, 2213..2314, 2251..2313, 2402..2719, 2470..2583, 2795..3211		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o3.tm	Method	TBLASTX:Maize
Start	2080	End	2392
GI	none	Score	128
Exons	2080..2202, 2081..2209, 2210..2392		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o1.tm	Method	TBLASTX:Maize
Start	2444	End	3211
GI	none	Score	180
Exons	2444..2728, 2458..2712, 2792..3211, 2827..3069, 3059..3181		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+

Start	1516	End	3261
Name	OJ000350_65.0327.C18.o2.tw	Method	TBLASTX:Wheat
Start	2444	End	2743
GI	none	Score	231
Exons	2444..2743, 2444..2716, 2455..2742		

Seq. No.	43353	Seq. ID	OJ000350_65.0327.C18
Gene No.	90875	Strand	+
Start	1516	End	3261
Name	OJ000350_65.0327.C18.o1.tw	Method	TBLASTX:Wheat
Start	2872	End	3202
GI	none	Score	330
Exons	2872..3198, 2873..3202		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o1.gp	Method	AAT/GAP
Start	488	End	1025
GI	32509_1.R1084	Score	892
Exons	488..721, 804..1025		
GI Descrip.	'1353516 1.0e-31 (U38651) sugar transporter [Medicago truncatula]'		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o1.gs	Method	GENSCAN
Start	580	End	1174
GI	none	Score	.92
Exons	580..721, 804..1174		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o1.np	Method	AAT/NAP
Start	580	End	3037
GI	100347	Score	1221
Exons	580..721, 804..1126, 1848..2480, 2550..3037		
GI Descrip.	monosaccharide transport protein MST1 - common tobacco gi\|19885\|emb\|CAA47324\| (X66856) monosaccharid transporter [Nicotiana tabacum]		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o2.gp	Method	AAT/GAP
Start	1415	End	1629
GI	6025069	Score	364
Exons	1415..1629		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o2.gs	Method	GENSCAN
Start	1872	End	12173
GI	none	Score	.49

Exons	1872..2480, 2550..2998, 3317..3489, 4054..4087, 4502..4676, 5044..5131, 5903..6178, 6186..6317, 6738..6999, 8068..8114, 8120..8169, 8551..8775, 9033..9068, 10627..10748, 10762..10894, 12123..12173

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o3.np	Method	AAT/NAP
Start	5613	End	16893
GI	6907086	Score	1195
Exons	5613..6365, 6426..6587, 6816..6932, 6988..7125, 16673..16893		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90876	Strand	+
Start	488	End	16893
Name	OJ000350_65.0327.C19.o3.gs	Method	GENSCAN
Start	13969	End	14604
GI	none	Score	.85
Exons	13969..14089, 14588..14604		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90877	Strand	-
Start	3389	End	3488
Name	OJ000350_65.0327.C19.o2.np	Method	AAT/NAP
Start	3389	End	3488
GI	5922634	Score	122
Exons	3389..3488		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o2.tm	Method	TBLASTX:Maize
Start	577	End	14147
GI	none	Score	161
Exons	577..723, 579..722, 802..876, 803..874, 886..1125, 890..1126, 13996..14100, 14034..14147		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o2.tw	Method	TBLASTX:Wheat
Start	616	End	8046
GI	none	Score	56
Exons	616..681, 2148..2225, 2159..2215, 2190..2357, 2211..2483, 2225..2488, 7918..7971, 7939..7971, 7972..8046, 7977..8045		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o2.ts	Method	TBLASTX:Soybean
Start	627	End	14103
GI	none	Score	112

Exons	627..722, 628..723, 802..1122, 803..1126, 1845..2015, 1980..2087, 8609..8677, 8659..8733, 13996..14103		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o1.tc	Method	TBLASTX:Cress
Start	640	End	14103
GI	none	Score	98
Exons	640..723, 642..722, 802..864, 803..874, 883..1122, 884..1126, 1845..1976, 1853..1963, 1982..2071, 1983..2090, 2232..2483, 2261..2458, 2547..2966, 2564..2806, 2882..2992, 8606..8677, 13996..14103		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o3.tm	Method	TBLASTX:Maize
Start	1844	End	2162
GI	none	Score	147
Exons	1844..1993, 1845..1979, 1979..2074, 1980..2162		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o1.tm	Method	TBLASTX:Maize
Start	2210	End	8733
GI	none	Score	218
Exons	2210..2479, 2211..2486, 2538..2990, 2582..2821, 2694..2945, 8605..8676, 8609..8677, 8686..8733		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o1.ts	Method	TBLASTX:Soybean
Start	2237	End	2951
GI	none	Score	225
Exons	2237..2479, 2238..2483, 2541..2741, 2639..2740, 2745..2951, 2768..2944		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o1.tw	Method	TBLASTX:Wheat
Start	2619	End	16205
GI	none	Score	374
Exons	2619..2969, 2624..2815, 2700..2969, 8611..8676, 8653..8733, 16065..16205		
Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o3.tw	Method	TBLASTX:Wheat
Start	9054	End	9257
GI	none	Score	190
Exons	9054..9257		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o4.tm	Method	TBLASTX:Maize
Start	9382	End	9654
GI	none	Score	141
Exons	9382..9552, 9399..9476, 9556..9654		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o4.gp	Method	AAT/GAP
Start	14870	End	15381
GI	38782_1.R1084	Score	805
Exons	14870..15381		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43354	Seq. ID	OJ000350_65.0327.C19
Gene No.	90878	Strand	-
Start	14870	End	16632
Name	OJ000350_65.0327.C19.o4.gs	Method	GENSCAN
Start	15176	End	16632
GI	none	Score	.68
Exons	15176..15249, 15626..15673, 15714..15855, 16534..16632		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.np	Method	AAT/NAP
Start	1	End	1142
GI	5734775	Score	716
Exons	1..340, 471..1142		
GI Descrip.	(AC007980) 38745 [Arabidopsis thaliana]		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.tc	Method	TBLASTX:Cress
Start	17	End	1106
GI	none	Score	253
Exons	17..289, 19..285, 453..605, 476..604, 608..751, 609..758, 870..1106, 873..1037, 884..1099		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.ts	Method	TBLASTX:Soybean
Start	17	End	1160
GI	none	Score	62
Exons	17..76, 19..102, 103..273, 104..289, 453..605, 458..604, 602..751, 603..758, 830..964, 870..1160, 1004..1108		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o2.tm	Method	TBLASTX:Maize

Start	17	End	232
GI	none	Score	246
Exons	17..232, 19..231		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.gs	Method	GENSCAN
Start	35	End	1103
GI	none	Score	.9
Exons	35..340, 471..1103		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.tm	Method	TBLASTX:Maize
Start	232	End	788
GI	none	Score	80
Exons	232..345, 233..346, 453..788, 465..629, 467..787		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.gp	Method	AAT/GAP
Start	427	End	800
GI	LIB3475-004-P1-K2-C1	Score	748
Exons	427..800		
GI Descrip.	'99758/pir\|\|S25009 1.0e-27 monosaccharid transport protein STP4 - Arabidopsis thaliana >gi_16524_emb_CAA47325_ (X66857) sugar transport protein [Arabidopsis thaliana]'		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1106
GI	none	Score	259
Exons	774..1106, 776..1105		

Seq. No.	43355	Seq. ID	OJ000350_65.0327.C20
Gene No.	90879	Strand	+
Start	1	End	1160
Name	OJ000350_65.0327.C20.o3.tm	Method	TBLASTX:Maize
Start	869	End	1109
GI	none	Score	215
Exons	869..958, 870..1109, 873..1046, 1001..1108		

Seq. No.	43356	Seq. ID	OJ000350_65.0327.C21
Gene No.	90880	Strand	+
Start	1	End	953
Name	OJ000350_65.0327.C21.o1.gp	Method	AAT/GAP
Start	1	End	456
GI	102514_1.R1084	Score	866
Exons	1..456		
GI Descrip.	'1723182/sp\|Q10710\|STA_RICCO 2.0e-11 SUGAR CARRIER PROTEIN A >gi_169736 (L08197) sugar carrier protein [Ricinus communis]'		

Seq. No.	43356	Seq. ID	OJ000350_65.0327.C21
Gene No.	90880	Strand	+
Start	1	End	953
Name	OJ000350_65.0327.C21.o1.np	Method	AAT/NAP
Start	1	End	953
GI	7340860	Score	104
Exons	1..43, 851..953		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43356	Seq. ID	OJ000350_65.0327.C21
Gene No.	90881	Strand	+
Start	2868	End	3300
Name	OJ000350_65.0327.C21.o1.gs	Method	GENSCAN
Start	2868	End	3006
GI	none	Score	.92
Exons	2868..3006		

Seq. No.	43356	Seq. ID	OJ000350_65.0327.C21
Gene No.	90881	Strand	+
Start	2868	End	3300
Name	OJ000350_65.0327.C21.o2.np	Method	AAT/NAP
Start	2868	End	3300
GI	5734440	Score	84
Exons	2868..3044, 3270..3300		
GI Descrip.	(AJ132224) hexose transporter [Lycopersicon esculentum]		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90882	Strand	+
Start	2206	End	5069
Name	OJ000350_65.0327.C22.o1.gs	Method	GENSCAN
Start	2206	End	5044
GI	none	Score	.92
Exons	2206..2278, 3312..3631, 3950..5044		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90882	Strand	+
Start	2206	End	5069
Name	OJ000350_65.0327.C22.o1.np	Method	AAT/NAP
Start	2251	End	5069
GI	100347	Score	1041
Exons	2251..2324, 3261..3631, 3950..5069		
GI Descrip.	monosaccharide transport protein MST1 - common tobacco gi\|19885\|emb\|CAA47324\| (X66856) monosaccharid transporter [Nicotiana tabacum]		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90882	Strand	+
Start	2206	End	5069
Name	OJ000350_65.0327.C22.o1.gp	Method	AAT/GAP
Start	4189	End	4477
GI	uC-osf1M202096h12b1	Score	452
Exons	4189..4477		
GI Descrip.	'100347/pir\|\|S25015 3.0e-09 monosaccharide transport protein MST1 - common tobacco >gi_19885_emb_CAA47324_ (X66856) monosaccharid transporter [Nicotiana tabacum]'		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90883	Strand	+
Start	8901	End	9360
Name	OJ000350_65.0327.C22.o3.gs	Method	GENSCAN
Start	8901	End	9360
GI	none	Score	.69
Exons	8901..9031, 9033..9360		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90884	Strand	+
Start	11344	End	11766
Name	OJ000350_65.0327.C22.o5.gs	Method	GENSCAN
Start	11344	End	11766
GI	none	Score	.86
Exons	11344..11353, 11642..11766		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o2.tm	Method	TBLASTX:Maize
Start	3275	End	10028
GI	none	Score	348
Exons	3275..3379, 3305..3631, 3310..3543, 6426..6587, 6428..6757, 6428..6757, 9941..10027, 9948..10028		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o1.tc	Method	TBLASTX:Cress
Start	3304	End	10027
GI	none	Score	304
Exons	3304..3546, 3305..3631, 3947..4084, 4088..4231, 4310..4996, 4363..4986, 5301..5660, 5311..5610, 5794..6069, 5797..6060, 6098..6292, 6148..6291, 6301..6441, 6311..6769, 6526..6753, 9941..10027, 9948..10025		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o1.ts	Method	TBLASTX:Soybean
Start	3305	End	10015
GI	none	Score	69
Exons	3305..3367, 3310..3360, 3394..3543, 3395..3631, 3947..4084, 3955..4083, 4066..4173, 4082..4231, 4310..4624, 4372..4563, 4637..4948, 4651..4947, 4940..4996, 5301..5357, 5349..5672, 5350..5655, 5794..6069, 5794..6069, 6125..6295, 6148..6294, 6292..6570, 6301..6441, 6311..6664, 6453..6491, 6526..6666, 6688..6753, 6707..6754, 9941..10015, 9948..9998		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o3.tm	Method	TBLASTX:Maize
Start	3937	End	6424
GI	none	Score	382
Exons	3937..4173, 3947..4261, 4160..4261, 6119..6424, 6124..6423		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o2.np	Method	AAT/NAP
Start	4087	End	10081
GI	347855	Score	1129
Exons	4087..4149, 5310..5708, 5797..6749, 9949..10081		
GI Descrip.	(L21753) glucose transporter [Saccharum hybrid cultivar H65-7052]		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o1.tw	Method	TBLASTX:Wheat
Start	4253	End	6126
GI	none	Score	269
Exons	4253..4615, 4294..4590, 4628..4681, 5619..5693, 5620..5712, 5662..5709, 5777..5839, 5794..6087, 5794..6126		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o1.tm	Method	TBLASTX:Maize
Start	4262	End	6118
GI	none	Score	185
Exons	4262..4510, 4294..4473, 4352..4474, 4493..4696, 4513..4617, 4627..4767, 4628..4813, 5481..5693, 5482..5712, 5557..5715, 5789..5866, 5794..5868, 5794..5859, 5860..6090, 5860..6117, 5861..6118		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o2.tw	Method	TBLASTX:Wheat
Start	4684	End	6519
GI	none	Score	74
Exons	4684..4767, 4691..4996, 4736..4933, 5301..5588, 5319..5381, 5356..5595, 6430..6519		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o4.tm	Method	TBLASTX:Maize
Start	4814	End	5480
GI	none	Score	229
Exons	4814..4936, 4816..4995, 4817..4996, 5275..5301, 5295..5426, 5295..5480, 5299..5478		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o2.gs	Method	GENSCAN
Start	5274	End	6735
GI	none	Score	.91
Exons	5274..5708, 5797..6735		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22

Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o2.gp	Method	AAT/GAP
Start	6503	End	10161
GI	43982_1.R1084	Score	861
Exons	6503..6749, 9949..10161		
GI Descrip.	'3915039/sp\|Q41144\|STC_RICCO 1.0e-25 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]'		

Seq. No.	43357	Seq. ID	OJ000350_65.0327.C22
Gene No.	90885	Strand	-
Start	4087	End	10161
Name	OJ000350_65.0327.C22.o4.gs	Method	GENSCAN
Start	9507	End	10099
GI	none	Score	.62
Exons	9507..9526, 9949..10099		

Seq. No.	43358	Seq. ID	OJ000350_67.0328.C2
Gene No.	90886	Strand	-
Start	1	End	4882
Name	OJ000350_67.0328.C2.o1.gs	Method	GENSCAN
Start	1	End	4882
GI	none	Score	.81
Exons	1..192, 315..425, 630..797, 992..1593, 1688..1790, 2603..2708, 2907..3011, 3053..3356, 4876..4882		

Seq. No.	43358	Seq. ID	OJ000350_67.0328.C2
Gene No.	90886	Strand	-
Start	1	End	4882
Name	OJ000350_67.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	193
GI	none	Score	37
Exons	1..72, 1..72, 93..173, 94..192, 95..193		

Seq. No.	43358	Seq. ID	OJ000350_67.0328.C2
Gene No.	90886	Strand	-
Start	1	End	4882
Name	OJ000350_67.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	1910
GI	6562303	Score	395
Exons	1..29, 630..976, 1070..1593, 1688..1910		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	43358	Seq. ID	OJ000350_67.0328.C2
Gene No.	90886	Strand	-
Start	1	End	4882
Name	OJ000350_67.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	983	End	1339
GI	none	Score	109
Exons	983..1108, 991..1128, 991..1128, 1133..1336, 1142..1339		

Seq. No.	43359	Seq. ID	OJ000350_67.0328.C3
Gene No.	90887	Strand	+
Start	1	End	433
Name	OJ000350_67.0328.C3.o1.np	Method	AAT/NAP
Start	1	End	433
GI	6498457	Score	81

Exons	1..55, 295..433		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43359	Seq. ID	OJ000350_67.0328.C3
Gene No.	90888	Strand	-
Start	318	End	1052
Name	OJ000350_67.0328.C3.o1.gs	Method	GENSCAN
Start	318	End	1052
GI	none	Score	.72
Exons	318..463, 921..1052		
Seq. No.	43359	Seq. ID	OJ000350_67.0328.C3
Gene No.	90889	Strand	-
Start	1622	End	1775
Name	OJ000350_67.0328.C3.o2.np	Method	AAT/NAP
Start	1622	End	1775
GI	6016874	Score	186
Exons	1622..1775		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	43360	Seq. ID	OJ000350_67.0328.C4
Gene No.	90890	Strand	+
Start	1225	End	2496
Name	OJ000350_67.0328.C4.o1.gs	Method	GENSCAN
Start	1225	End	2496
GI	none	Score	.73
Exons	1225..2496		
Seq. No.	43360	Seq. ID	OJ000350_67.0328.C4
Gene No.	90891	Strand	-
Start	20	End	184
Name	OJ000350_67.0328.C4.o1.np	Method	AAT/NAP
Start	20	End	184
GI	6907084	Score	243
Exons	20..184		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	43360	Seq. ID	OJ000350_67.0328.C4
Gene No.	90892	Strand	-
Start	1222	End	1938
Name	OJ000350_67.0328.C4.o2.np	Method	AAT/NAP
Start	1222	End	1938
GI	2129478	Score	120
Exons	1222..1298, 1430..1938		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi\|488731\|emb\|CAA55883\| (X79301) chitinase [Beta vulgaris] gi\|829258\|emb\|CAA56946\| (X81056) Chitinase [Beta vulgaris]		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90893	Strand	+
Start	3128	End	6913
Name	OJ000350_67.0328.C7.o2.gs	Method	GENSCAN
Start	3128	End	6913
GI	none	Score	.55

Exons	3128..4389, 4485..6373, 6833..6913		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90893	Strand	+
Start	3128	End	6913
Name	OJ000350_67.0328.C7.o2.np	Method	AAT/NAP
Start	3128	End	6384
GI	5803259	Score	4881
Exons	3128..4389, 4485..6384		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769
Name	OJ000350_67.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	494
GI	3789948	Score	198
Exons	1..189, 369..494		
GI Descrip.	(AF094773) translation initiation factor 5A [Oryza sativa]		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769
Name	OJ000350_67.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	330	End	483
GI	none	Score	98
Exons	330..482, 366..482, 367..483		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769
Name	OJ000350_67.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	366	End	507
GI	none	Score	204
Exons	366..503, 367..507, 367..507		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769
Name	OJ000350_67.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	366	End	505
GI	none	Score	164
Exons	366..503, 367..504, 446..505		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769
Name	OJ000350_67.0328.C7.o1.gp	Method	AAT/GAP
Start	367	End	771
GI	625_1.R1084	Score	411
Exons	367..512, 657..771		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	43361	Seq. ID	OJ000350_67.0328.C7
Gene No.	90894	Strand	-
Start	1	End	2769

Name	OJ000350_67.0328.C7.o1.gs	Method	GENSCAN
Start	369	End	2769
GI	none	Score	.66
Exons	369..512, 804..940, 1890..1983, 2686..2769		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90895	Strand	+
Start	5370	End	7700
Name	OJ000350_67.0328.C15.o2.np	Method	AAT/NAP
Start	5370	End	7700
GI	2462744	Score	586
Exons	5370..5546, 5787..5837, 6461..7700		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90895	Strand	+
Start	5370	End	7700
Name	OJ000350_67.0328.C15.o2.gs	Method	GENSCAN
Start	5487	End	7630
GI	none	Score	.99
Exons	5487..5837, 6461..7630		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90896	Strand	+
Start	8394	End	10260
Name	OJ000350_67.0328.C15.o3.gs	Method	GENSCAN
Start	8394	End	10260
GI	none	Score	1
Exons	8394..8627, 8738..8774, 8851..9034, 9126..10260		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90896	Strand	+
Start	8394	End	10260
Name	OJ000350_67.0328.C15.o3.np	Method	AAT/NAP
Start	8469	End	10254
GI	6562297	Score	1214
Exons	8469..8646, 8833..9034, 9126..10254		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90897	Strand	-
Start	11531	End	15505
Name	OJ000350_67.0328.C15.o4.gs	Method	GENSCAN
Start	11531	End	15505
GI	none	Score	.78
Exons	11531..11599, 12166..12242, 12384..12463, 12659..12804, 12948..13050, 13284..13324, 13853..14161, 14456..14587, 14705..14832, 14874..15025, 15424..15505		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o2.tc	Method	TBLASTX:Cress
Start	4140	End	5105
GI	none	Score	85
Exons	4140..4232, 4142..4237, 4143..4232, 4252..4332, 4265..4333, 4327..4479, 4544..4570, 4556..4753, 4572..4754, 4841..5104,		

4886..5092, 4932..5105

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o2.ts	Method	TBLASTX:Soybean
Start	4142	End	5105
GI	none	Score	72
Exons	4142..4207, 4143..4199, 4250..4333, 4255..4332, 4354..4479, 4556..4744, 4572..4739, 4841..4972, 4932..5105, 5024..5104		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o3.tm	Method	TBLASTX:Maize
Start	4157	End	4733
GI	none	Score	77
Exons	4157..4240, 4158..4244, 4246..4332, 4247..4333, 4327..4479, 4328..4459, 4544..4570, 4556..4732, 4565..4723, 4572..4733		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o6.tm	Method	TBLASTX:Maize
Start	4818	End	5105
GI	none	Score	263
Exons	4818..4841, 4841..4972, 4886..5101, 4917..5105, 5024..5104		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o2.tm	Method	TBLASTX:Maize
Start	5660	End	6825
GI	none	Score	242
Exons	5660..5755, 5661..5843, 6458..6508, 6458..6505, 6479..6823, 6498..6824, 6505..6825, 6508..6825		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o3.tc	Method	TBLASTX:Cress
Start	6419	End	6979
GI	none	Score	312
Exons	6419..6544, 6434..6979, 6611..6931		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o3.ts	Method	TBLASTX:Soybean
Start	6710	End	7243
GI	none	Score	231
Exons	6710..7096, 7130..7243		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o5.tm	Method	TBLASTX:Maize

Start	7407	End	7618
GI	none	Score	267
Exons	7407..7580, 7409..7618, 7412..7591, 7420..7593		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o4.tm	Method	TBLASTX:Maize
Start	8528	End	9483
GI	none	Score	150
Exons	8528..8629, 8529..8642, 8844..8918, 8931..9032, 9133..9165, 9190..9483		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o5.ts	Method	TBLASTX:Soybean
Start	8528	End	9032
GI	none	Score	154
Exons	8528..8629, 8529..8642, 8844..9032, 8849..8917		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o4.tc	Method	TBLASTX:Cress
Start	8874	End	9285
GI	none	Score	165
Exons	8874..9032, 9133..9180, 9196..9285		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o1.ts	Method	TBLASTX:Soybean
Start	9139	End	10251
GI	none	Score	37
Exons	9139..9165, 9202..9471, 9330..9443, 9475..9873, 9480..9872, 9901..10005, 9924..10004, 10044..10091, 10045..10158, 10186..10251		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o1.tc	Method	TBLASTX:Cress
Start	9399	End	9846
GI	none	Score	449
Exons	9399..9758, 9400..9771, 9765..9845, 9772..9846		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o1.tm	Method	TBLASTX:Maize
Start	9487	End	10167
GI	none	Score	447
Exons	9487..9891, 9495..9890, 9913..10005, 10039..10119, 10042..10167		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-

Start	15535	End	15834
Name	OJ000350_67.0328.C15.o8.tm	Method	TBLASTX:Maize
Start	11534	End	12462
GI	none	Score	62
Exons	11534..11590, 11534..11584, 12175..12240, 12182..12235, 12207..12311, 12214..12327, 12218..12301, 12249..12311, 12253..12312, 12379..12462, 12383..12460		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o4.ts	Method	TBLASTX:Soybean
Start	12228	End	12805
GI	none	Score	76
Exons	12228..12311, 12247..12312, 12379..12459, 12383..12508, 12658..12801, 12662..12805		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o7.tm	Method	TBLASTX:Maize
Start	12933	End	13255
GI	none	Score	73
Exons	12933..13049, 12933..13052, 12934..13053, 13139..13255, 13141..13248, 13142..13249		

Seq. No.	43362	Seq. ID	OJ000350_67.0328.C15
Gene No.	90898	Strand	-
Start	15535	End	15834
Name	OJ000350_67.0328.C15.o4.np	Method	AAT/NAP
Start	15535	End	15834
GI	6562295	Score	134
Exons	15535..15650, 15737..15834		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43363	Seq. ID	OJ000350_67.0328.C16
Gene No.	90899	Strand	-
Start	377	End	5723
Name	OJ000350_67.0328.C16.o1.gs	Method	GENSCAN
Start	377	End	4813
GI	none	Score	.81
Exons	377..487, 615..716, 1629..1825, 2689..2881, 3301..3360, 3845..3935, 4012..4057, 4775..4813		

Seq. No.	43363	Seq. ID	OJ000350_67.0328.C16
Gene No.	90899	Strand	-
Start	377	End	5723
Name	OJ000350_67.0328.C16.o1.np	Method	AAT/NAP
Start	377	End	5723
GI	6562295	Score	543
Exons	377..487, 615..716, 1629..1800, 2618..2881, 3301..3360, 3845..3935, 4662..4735, 5108..5406, 5690..5723		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43363	Seq. ID	OJ000350_67.0328.C16
Gene No.	90899	Strand	-
Start	377	End	5723

Name	OJ000350_67.0328.C16.o1.tm	Method	TBLASTX:Maize
Start	5113	End	5284
GI	none	Score	130
Exons	5113..5280, 5114..5278, 5129..5284		

Seq. No.	43364	Seq. ID	OJ000350_67.0328.C17
Gene No.	90900	Strand	-
Start	1	End	1130
Name	OJ000350_67.0328.C17.o1.np	Method	AAT/NAP
Start	1	End	1130
GI	6562295	Score	325
Exons	1..123, 188..360, 783..1130		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43364	Seq. ID	OJ000350_67.0328.C17
Gene No.	90900	Strand	-
Start	1	End	1130
Name	OJ000350_67.0328.C17.o1.tm	Method	TBLASTX:Maize
Start	219	End	366
GI	none	Score	147
Exons	219..362, 229..366, 232..363		

Seq. No.	43364	Seq. ID	OJ000350_67.0328.C17
Gene No.	90900	Strand	-
Start	1	End	1130
Name	OJ000350_67.0328.C17.o1.gs	Method	GENSCAN
Start	228	End	1061
GI	none	Score	.56
Exons	228..360, 783..1061		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90901	Strand	+
Start	148	End	4860
Name	OJ000350_67.0328.C18.o1.gs	Method	GENSCAN
Start	148	End	4860
GI	none	Score	.59
Exons	148..279, 488..741, 3575..4452, 4454..4860		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90902	Strand	+
Start	10203	End	10299
Name	OJ000350_67.0328.C18.o4.gp	Method	AAT/GAP
Start	10203	End	10299
GI	431824	Score	145
Exons	10203..10299		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90903	Strand	-
Start	4453	End	4759
Name	OJ000350_67.0328.C18.o1.np	Method	AAT/NAP
Start	4453	End	4759
GI	7378642	Score	233
Exons	4453..4759		
GI Descrip.	(AL162751) uracil transporter-like protein [Arabidopsis thaliana]		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18

Gene No.	90904	Strand	-
Start	5864	End	7073
Name	OJ000350_67.0328.C18.o2.gs	Method	GENSCAN
Start	5864	End	6610
GI	none	Score	1
Exons	5864..6610		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90904	Strand	-
Start	5864	End	7073
Name	OJ000350_67.0328.C18.o1.gp	Method	AAT/GAP
Start	5916	End	6246
GI	LIB3434-037-P1-K1-A7	Score	626
Exons	5916..6246		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90904	Strand	-
Start	5864	End	7073
Name	OJ000350_67.0328.C18.o2.gp	Method	AAT/GAP
Start	6282	End	7073
GI	3061235	Score	849
Exons	6282..6667, 6999..7073		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90905	Strand	-
Start	6999	End	7260
Name	OJ000350_67.0328.C18.o1.tm	Method	TBLASTX:Maize
Start	5841	End	6675
GI	none	Score	332
Exons	5841..6119, 5842..6408, 5842..6408, 5906..6670, 5906..6670, 6496..6675		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90905	Strand	-
Start	6999	End	7260
Name	OJ000350_67.0328.C18.o2.tc	Method	TBLASTX:Cress
Start	6062	End	6233
GI	none	Score	35
Exons	6062..6232, 6090..6119, 6115..6222, 6168..6233		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90905	Strand	-
Start	6999	End	7260
Name	OJ000350_67.0328.C18.o1.ts	Method	TBLASTX:Soybean
Start	6115	End	6607
GI	none	Score	82
Exons	6115..6309, 6119..6607, 6168..6596		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90905	Strand	-
Start	6999	End	7260
Name	OJ000350_67.0328.C18.o1.tc	Method	TBLASTX:Cress
Start	6236	End	6634
GI	none	Score	311
Exons	6236..6613, 6237..6596, 6242..6634		

Seq. No.	43365	Seq. ID	OJ000350_67.0328.C18
Gene No.	90905	Strand	-
Start	6999	End	7260
Name	OJ000350_67.0328.C18.o3.gp	Method	AAT/GAP
Start	6999	End	7260
GI	3061003	Score	446
Exons	6999..7260		

Seq. No.	43366	Seq. ID	OJ000350_67.0328.C19
Gene No.	90906	Strand	-
Start	526	End	3225
Name	OJ000350_67.0328.C19.o1.gp	Method	AAT/GAP
Start	407	End	1150
GI	431824	Score	620
Exons	407..663, 1077..1150		

Seq. No.	43366	Seq. ID	OJ000350_67.0328.C19
Gene No.	90906	Strand	-
Start	526	End	3225
Name	OJ000350_67.0328.C19.o1.gs	Method	GENSCAN
Start	526	End	3225
GI	none	Score	.64
Exons	526..663, 1077..1235, 2250..2388, 3056..3225		

Seq. No.	43366	Seq. ID	OJ000350_67.0328.C19
Gene No.	90906	Strand	-
Start	526	End	3225
Name	OJ000350_67.0328.C19.o1.tc	Method	TBLASTX:Cress
Start	556	End	1722
GI	none	Score	174
Exons	556..663, 1072..1221, 1089..1223, 1092..1220, 1136..1225, 1660..1722, 1665..1721		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90907	Strand	+
Start	29	End	2647
Name	OJ000350_67.0328.C20.o1.gs	Method	GENSCAN
Start	29	End	2647
GI	none	Score	.53
Exons	29..251, 253..369, 1189..1385, 1947..2110, 2196..2232, 2360..2647		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90908	Strand	+
Start	7407	End	9093
Name	OJ000350_67.0328.C20.o3.gs	Method	GENSCAN
Start	7407	End	9093
GI	none	Score	.96
Exons	7407..7493, 8710..9093		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o1.np	Method	AAT/NAP
Start	2944	End	9059
GI	7431412	Score	736

Exons	2944..3105, 3352..3732, 4262..4477, 4576..4742, 4849..4952, 9016..9059
GI Descrip.	HC-toxin reductase (EC 1.-.-.-) - barley gi\|1929998\|gb\|AAC49674.1\| (U77463) NADPH-dependent HC-toxin reductase [Hordeum vulgare]

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o2.ts	Method	TBLASTX:Soybean
Start	2983	End	3654
GI	none	Score	82
Exons	2983..3069, 3352..3576, 3413..3538, 3622..3654		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o2.gs	Method	GENSCAN
Start	3328	End	4960
GI	none	Score	.92
Exons	3328..3732, 4253..4477, 4576..4817, 4849..4960		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o2.tm	Method	TBLASTX:Maize
Start	3407	End	3681
GI	none	Score	186
Exons	3407..3529, 3409..3546, 3409..3618, 3560..3583, 3601..3681, 3623..3658		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o1.tm	Method	TBLASTX:Maize
Start	4274	End	4954
GI	none	Score	61
Exons	4274..4354, 4298..4366, 4346..4480, 4347..4478, 4531..4740, 4645..4740, 4850..4945, 4851..4946, 4859..4954, 4869..4946		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o1.ts	Method	TBLASTX:Soybean
Start	4289	End	4991
GI	none	Score	52
Exons	4289..4354, 4302..4352, 4346..4483, 4347..4475, 4558..4695, 4592..4645, 4851..4991, 4853..4981		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o1.tc	Method	TBLASTX:Cress
Start	4573	End	4996
GI	none	Score	108
Exons	4573..4740, 4853..4996		

Seq. No.	43367	Seq. ID	OJ000350_67.0328.C20
Gene No.	90909	Strand	-
Start	2944	End	9059
Name	OJ000350_67.0328.C20.o1.tw	Method	TBLASTX:Wheat
Start	4591	End	4999
GI	none	Score	66
Exons	4591..4746, 4853..4999, 4871..4957		

Seq. No.	43368	Seq. ID	OJ000350_67.0328.C21
Gene No.	90910	Strand	+
Start	332	End	973
Name	OJ000350_67.0328.C21.o1.gs	Method	GENSCAN
Start	332	End	973
GI	none	Score	.91
Exons	332..352, 899..973		

Seq. No.	43368	Seq. ID	OJ000350_67.0328.C21
Gene No.	90911	Strand	-
Start	2131	End	3386
Name	OJ000350_67.0328.C21.o2.gs	Method	GENSCAN
Start	2131	End	3344
GI	none	Score	.92
Exons	2131..2307, 2420..2544, 2711..3344		

Seq. No.	43368	Seq. ID	OJ000350_67.0328.C21
Gene No.	90911	Strand	-
Start	2131	End	3386
Name	OJ000350_67.0328.C21.o1.np	Method	AAT/NAP
Start	2205	End	3386
GI	6721561	Score	76
Exons	2205..2351, 3317..3386		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43368	Seq. ID	OJ000350_67.0328.C21
Gene No.	90911	Strand	-
Start	2131	End	3386
Name	OJ000350_67.0328.C21.o2.np	Method	AAT/NAP
Start	2420	End	3344
GI	6721558	Score	232
Exons	2420..2544, 3245..3344		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90912	Strand	+
Start	1	End	468
Name	OJ000350_67.0328.C22.o1.np	Method	AAT/NAP
Start	1	End	468
GI	7523517	Score	152
Exons	1..269, 420..468		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90913	Strand	+
Start	414	End	512
Name	OJ000350_67.0328.C22.o1.gs	Method	GENSCAN
Start	414	End	512
GI	none	Score	.46
Exons	414..512		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90914	Strand	+
Start	7171	End	7311
Name	OJ000350_67.0328.C22.o4.np	Method	AAT/NAP
Start	7171	End	7311
GI	6721543	Score	138
Exons	7171..7311		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90915	Strand	-
Start	2799	End	3777
Name	OJ000350_67.0328.C22.o2.np	Method	AAT/NAP
Start	2418	End	3777
GI	4582451	Score	113
Exons	2418..2570, 2661..2939, 3601..3777		
GI Descrip.	(AC007071) unknown protein [Arabidopsis thaliana]		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90915	Strand	-
Start	2799	End	3777
Name	OJ000350_67.0328.C22.o2.gs	Method	GENSCAN
Start	2799	End	3086
GI	none	Score	.78
Exons	2799..3086		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90916	Strand	-
Start	4438	End	6244
Name	OJ000350_67.0328.C22.o3.np	Method	AAT/NAP
Start	4434	End	6244
GI	6453875	Score	207
Exons	4434..4803, 5173..5605, 6125..6244		
GI Descrip.	(AC011717) putative D-isomer specific 2-hydroxyacid dehydrogenase [Arabidopsis thaliana]		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90916	Strand	-
Start	4438	End	6244
Name	OJ000350_67.0328.C22.o3.gs	Method	GENSCAN
Start	4438	End	5695
GI	none	Score	.43
Exons	4438..4773, 5384..5695		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90917	Strand	-
Start	7030	End	7263
Name	OJ000350_67.0328.C22.o1.tm	Method	TBLASTX:Maize
Start	4537	End	5427

GI	none	Score	98
Exons	4537..4653, 4537..4659, 4539..4682, 4695..4802, 4695..4802, 5257..5427, 5296..5400		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90917	Strand	-
Start	7030	End	7263
Name	OJ000350_67.0328.C22.o1.ts	Method	TBLASTX:Soybean
Start	4537	End	5578
GI	none	Score	89
Exons	4537..4659, 4695..4802, 5323..5427, 5426..5578		

Seq. No.	43369	Seq. ID	OJ000350_67.0328.C22
Gene No.	90917	Strand	-
Start	7030	End	7263
Name	OJ000350_67.0328.C22.o4.gs	Method	GENSCAN
Start	7030	End	7263
GI	none	Score	.42
Exons	7030..7263		

Seq. No.	43370	Seq. ID	OJ000350_67.0328.C23
Gene No.	90918	Strand	-
Start	488	End	4462
Name	OJ000350_67.0328.C23.o1.gp	Method	AAT/GAP
Start	210	End	663
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	210..663		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43370	Seq. ID	OJ000350_67.0328.C23
Gene No.	90918	Strand	-
Start	488	End	4462
Name	OJ000350_67.0328.C23.o1.gs	Method	GENSCAN
Start	488	End	4105
GI	none	Score	.77
Exons	488..648, 799..1001, 1006..1053, 1117..1248, 1339..1376, 1442..1624, 1717..1975, 2052..2350, 2445..2855, 2940..3276, 3382..3532, 3908..4105		

Seq. No.	43370	Seq. ID	OJ000350_67.0328.C23
Gene No.	90918	Strand	-
Start	488	End	4462
Name	OJ000350_67.0328.C23.o1.np	Method	AAT/NAP
Start	767	End	4462
GI	5441880	Score	2948
Exons	767..1001, 1117..1248, 1339..1362, 1399..1472, 1717..1975, 2052..2350, 2940..3276, 3382..3532, 4028..4355, 4421..4462		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43370	Seq. ID	OJ000350_67.0328.C23
Gene No.	90918	Strand	-
Start	488	End	4462
Name	OJ000350_67.0328.C23.o2.gp	Method	AAT/GAP
Start	1725	End	2224

GI	LIB3475-007-P1-K1-G8	Score	801
Exons	1725..1975, 2052..2224		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	43371	Seq. ID	OJ000350_67.0328.C25
Gene No.	90919	Strand	+
Start	521	End	869
Name	OJ000350_67.0328.C25.o1.np	Method	AAT/NAP
Start	521	End	869
GI	5295955	Score	75
Exons	521..869		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	43371	Seq. ID	OJ000350_67.0328.C25
Gene No.	90919	Strand	+
Start	521	End	869
Name	OJ000350_67.0328.C25.o1.gs	Method	GENSCAN
Start	536	End	707
GI	none	Score	.71
Exons	536..707		

Seq. No.	43372	Seq. ID	OJ000350_67.0328.C26
Gene No.	90920	Strand	-
Start	649	End	897
Name	OJ000350_67.0328.C26.o1.gp	Method	AAT/GAP
Start	649	End	897
GI	2428323	Score	437
Exons	649..897		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	43372	Seq. ID	OJ000350_67.0328.C26
Gene No.	90921	Strand	-
Start	1056	End	1519
Name	OJ000350_67.0328.C26.o1.gs	Method	GENSCAN
Start	1056	End	1438
GI	none	Score	.75
Exons	1056..1438		

Seq. No.	43372	Seq. ID	OJ000350_67.0328.C26
Gene No.	90921	Strand	-
Start	1056	End	1519
Name	OJ000350_67.0328.C26.o1.np	Method	AAT/NAP
Start	1059	End	1519
GI	7228457	Score	752
Exons	1059..1519		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43372	Seq. ID	OJ000350_67.0328.C26
Gene No.	90921	Strand	-
Start	1056	End	1519
Name	OJ000350_67.0328.C26.o1.tm	Method	TBLASTX:Maize

Start	1059	End	1199
GI	none	Score	121
Exons	1059..1199, 1060..1194		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o1.np	Method	AAT/NAP
Start	1	End	5639
GI	7228457	Score	8511
Exons	1..1036, 1103..2254, 2377..3212, 3276..5211, 5273..5639		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o3.tw	Method	TBLASTX:Wheat
Start	98	End	479
GI	none	Score	171
Exons	98..478, 129..377, 423..479		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o2.tm	Method	TBLASTX:Maize
Start	254	End	607
GI	none	Score	187
Exons	254..301, 293..607, 306..572		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o8.tw	Method	TBLASTX:Wheat
Start	809	End	1121
GI	none	Score	67
Exons	809..1069, 945..1121		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o2.ts	Method	TBLASTX:Soybean
Start	869	End	1435
GI	5666795	Score	68
Exons	869..1069, 1124..1261, 1337..1435		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o4.tw	Method	TBLASTX:Wheat
Start	1124	End	1582
GI	none	Score	79
Exons	1124..1273, 1125..1262, 1127..1264, 1320..1493, 1334..1582, 1334..1558		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o7.tw	Method	TBLASTX:Wheat
Start	2129	End	2384
GI	none	Score	131
Exons	2129..2383, 2130..2384		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o1.ts	Method	TBLASTX:Soybean
Start	2183	End	2555
GI	none	Score	80
Exons	2183..2413, 2409..2555, 2413..2538		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o3.tm	Method	TBLASTX:Maize
Start	2306	End	2691
GI	none	Score	205
Exons	2306..2500, 2412..2690, 2413..2691		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o5.tw	Method	TBLASTX:Wheat
Start	2430	End	2741
GI	none	Score	184
Exons	2430..2741, 2443..2733		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o1.tm	Method	TBLASTX:Maize
Start	2718	End	3074
GI	none	Score	70
Exons	2718..2834, 2718..3074, 2728..3039		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o1.tw	Method	TBLASTX:Wheat
Start	2742	End	3205
GI	none	Score	221
Exons	2742..3203, 2748..3203, 2749..3204, 3017..3205		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o3.ts	Method	TBLASTX:Soybean
Start	2799	End	3164
GI	none	Score	114
Exons	2799..2933, 2940..3164		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27

Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o2.tw	Method	TBLASTX:Wheat
Start	3396	End	3855
GI	none	Score	175
Exons	3396..3854, 3400..3660, 3718..3855		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o6.tw	Method	TBLASTX:Wheat
Start	4593	End	4985
GI	none	Score	94
Exons	4593..4850, 4627..4866, 4833..4931, 4834..4926, 4938..4985		

Seq. No.	43373	Seq. ID	OJ000350_67.0328.C27
Gene No.	90922	Strand	-
Start	1	End	5639
Name	OJ000350_67.0328.C27.o4.tm	Method	TBLASTX:Maize
Start	4695	End	4980
GI	none	Score	92
Exons	4695..4943, 4696..4980		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90923	Strand	+
Start	2846	End	8482
Name	OJ000350_67.0328.C28.o1.gs	Method	GENSCAN
Start	2846	End	8228
GI	none	Score	.48
Exons	2846..2915, 3627..3847, 3864..4448, 7141..7170, 7542..8228		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90923	Strand	+
Start	2846	End	8482
Name	OJ000350_67.0328.C28.o1.np	Method	AAT/NAP
Start	3777	End	8231
GI	4099092	Score	1482
Exons	3777..4452, 7549..8231		
GI Descrip.	(U83179) unknown [Arabidopsis thaliana]		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90923	Strand	+
Start	2846	End	8482
Name	OJ000350_67.0328.C28.o2.gp	Method	AAT/GAP
Start	7692	End	8095
GI	2312494	Score	781
Exons	7692..8095		
GI Descrip.	4099092 2.0e-32 (U83179) unknown [Arabidopsis thaliana]		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90923	Strand	+
Start	2846	End	8482
Name	OJ000350_67.0328.C28.o3.gp	Method	AAT/GAP
Start	8110	End	8482
GI	5039125	Score	712
Exons	8110..8482		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90924	Strand	-
Start	316	End	966
Name	OJ000350_67.0328.C28.o1.gp	Method	AAT/GAP
Start	316	End	966
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	316..364, 911..966		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o1.tc	Method	TBLASTX:Cress
Start	3803	End	8221
GI	none	Score	85
Exons	3803..3877, 3804..3863, 4064..4363, 4065..4415, 7553..8221, 7554..8213		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o3.tm	Method	TBLASTX:Maize
Start	4181	End	7580
GI	none	Score	340
Exons	4181..4363, 4182..4451, 4185..4415, 4199..4465, 7539..7580, 7542..7580		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o1.ts	Method	TBLASTX:Soybean
Start	7539	End	8233
GI	none	Score	769
Exons	7539..8213, 7541..8233, 7542..8225		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o1.tm	Method	TBLASTX:Maize
Start	7679	End	8226
GI	none	Score	302
Exons	7679..8005, 7692..8000, 7712..8005, 7970..8218, 7997..8068, 8001..8225, 8002..8226		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o2.gs	Method	GENSCAN
Start	8876	End	13235
GI	none	Score	.76
Exons	8876..8926, 9068..9379, 9867..9924, 10747..13235		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308

Name	OJ000350_67.0328.C28.o2.np	Method	AAT/NAP
Start	10720	End	13308
GI	6539238	Score	2231
Exons	10720..11468, 11496..11679, 11755..13308		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o2.tc	Method	TBLASTX:Cress
Start	10779	End	13304
GI	none	Score	98
Exons	10779..10868, 10959..11270, 11002..11229, 11301..11399, 11305..11400, 12006..12254, 12009..12077, 12027..12245, 12045..12389, 12045..12254, 12078..12254, 12078..12254, 12084..12254, 12084..12245, 12094..12219, 12117..12302, 12135..12245, 12138..12254, 12201..12386, 12207..12386, 12214..12375, 12255..12386, 12258..12401, 12258..12386, 12258..12386, 12558..12962, 12627..12845, 12633..12962, 12633..12905, 12633..12887, 12633..12836, 12639..12962, 12643..12837, 12646..12807, 12649..12756, 12651..13034, 12651..12950, 12651..12842, 12652..12888, 12654..13040, 12711..13037, 12712..12882, 12724..12885, 12775..12822, 12777..12962, 13008..13280, 13017..13304, 13017..13268, 13017..13199, 13023..13304		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o2.tm	Method	TBLASTX:Maize
Start	10779	End	11082
GI	none	Score	135
Exons	10779..10889, 10783..10896, 10852..11082, 10875..11081		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o3.ts	Method	TBLASTX:Soybean
Start	10890	End	11462
GI	none	Score	106
Exons	10890..10949, 10950..11270, 10993..11148, 11313..11399, 11427..11462		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o1.tw	Method	TBLASTX:Wheat
Start	10962	End	11270
GI	none	Score	83
Exons	10962..11270, 10968..11138, 10996..11145		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o5.tm	Method	TBLASTX:Maize
Start	11082	End	11660

GI	none	Score	70
Exons	11082..11270, 11083..11220, 11310..11399, 11508..11543, 11592..11660		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o2.ts	Method	TBLASTX:Soybean
Start	11517	End	13271
GI	none	Score	238
Exons	11517..11666, 11997..12398, 12007..12393, 12633..12770, 12642..12764, 12643..12756, 12708..12914, 12714..12833, 12777..12962, 12808..12954, 12861..12968, 13149..13271		

Seq. No.	43374	Seq. ID	OJ000350_67.0328.C28
Gene No.	90925	Strand	-
Start	8876	End	13308
Name	OJ000350_67.0328.C28.o4.tm	Method	TBLASTX:Maize
Start	12006	End	13304
GI	none	Score	79
Exons	12006..12149, 12069..12245, 12078..12251, 12078..12245, 12078..12251, 12078..12224, 12078..12245, 12078..12230, 12108..12254, 12135..12254, 12144..12254, 12258..12365, 12267..12380, 12276..12386, 12315..12386, 12337..12387, 12561..12881, 12633..13031, 12651..12836, 12696..12968, 12697..12951, 12714..12890, 12723..12905, 12732..12917, 12796..12966, 12909..13037, 13017..13304, 13017..13244, 13018..13053, 13044..13286, 13050..13169, 13128..13304		

Seq. No.	43375	Seq. ID	OJ000350_67.0328.C29
Gene No.	90926	Strand	-
Start	1	End	5697
Name	OJ000350_67.0328.C29.o1.np	Method	AAT/NAP
Start	1	End	646
GI	6539238	Score	450
Exons	1..646		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	43375	Seq. ID	OJ000350_67.0328.C29
Gene No.	90926	Strand	-
Start	1	End	5697
Name	OJ000350_67.0328.C29.o1.gs	Method	GENSCAN
Start	45	End	5697
GI	none	Score	.67
Exons	45..636, 721..802, 1596..1725, 4933..5021, 5133..5260, 5377..5437, 5515..5697		

Seq. No.	43376	Seq. ID	OJ000350_67.0328.C30
Gene No.	90927	Strand	+
Start	1522	End	2120
Name	OJ000350_67.0328.C30.o1.gs	Method	GENSCAN
Start	1522	End	2120
GI	none	Score	.97
Exons	1522..1587, 1803..2120		

Seq. No.	43376	Seq. ID	OJ000350_67.0328.C30

Gene No.	90928	Strand	-
Start	4083	End	4268
Name	OJ000350_67.0328.C30.o2.gs	Method	GENSCAN
Start	4083	End	4268
GI	none	Score	.58
Exons	4083..4268		

Seq. No.	43377	Seq. ID	OJ000350_67.0328.C31
Gene No.	90929	Strand	+
Start	511	End	827
Name	OJ000350_67.0328.C31.o1.gs	Method	GENSCAN
Start	511	End	782
GI	none	Score	.88
Exons	511..782		

Seq. No.	43377	Seq. ID	OJ000350_67.0328.C31
Gene No.	90929	Strand	+
Start	511	End	827
Name	OJ000350_67.0328.C31.o1.np	Method	AAT/NAP
Start	511	End	827
GI	7228442	Score	513
Exons	511..827		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43377	Seq. ID	OJ000350_67.0328.C31
Gene No.	90930	Strand	-
Start	1	End	72
Name	OJ000350_67.0328.C31.o1.gp	Method	AAT/GAP
Start	1	End	72
GI	7406_1.R1084	Score	93
Exons	1..72		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90931	Strand	-
Start	364	End	2847
Name	OJ000350_63.0327.C2.o1.gp	Method	AAT/GAP
Start	364	End	820
GI	16633_1.R1084	Score	879
Exons	364..820		
GI Descrip.	'1752734/dbj\|BAA11407\| 5.0e-13 (D78510) beta-glucan-elicitor receptor [Glycine max]'		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90931	Strand	-
Start	364	End	2847
Name	OJ000350_63.0327.C2.o1.gs	Method	GENSCAN
Start	625	End	2847
GI	none	Score	.86
Exons	625..2847		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90931	Strand	-
Start	364	End	2847

Name	OJ000350_63.0327.C2.o1.np	Method	AAT/NAP
Start	682	End	2688
GI	7488646	Score	2139
Exons	682..2688		
GI Descrip.	beta-glucan-elicitor receptor - soybean gi\|1752734\|dbj\|BAA11407.1\| (D78510) beta-glucan-elicitor receptor [Glycine max]		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90931	Strand	-
Start	364	End	2847
Name	OJ000350_63.0327.C2.o2.gp	Method	AAT/GAP
Start	946	End	1471
GI	uC-osflcyp152d04b1	Score	991
Exons	946..1471		
GI Descrip.	'1752734/dbj\|BAA11407\| 5.0e-69 (D78510) beta-glucan-elicitor receptor [Glycine max]'		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90931	Strand	-
Start	364	End	2847
Name	OJ000350_63.0327.C2.o3.gp	Method	AAT/GAP
Start	1973	End	2571
GI	53127_1.R1084	Score	1117
Exons	1973..2571		
GI Descrip.	'1752734/dbj\|BAA11407\| 1.0e-36 (D78510) beta-glucan-elicitor receptor [Glycine max]'		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90932	Strand	-
Start	3164	End	3629
Name	OJ000350_63.0327.C2.o2.gs	Method	GENSCAN
Start	3164	End	3629
GI	none	Score	.99
Exons	3164..3232, 3559..3629		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	625	End	1412
GI	none	Score	83
Exons	625..714, 626..679, 647..1297, 685..1302, 1064..1312, 1289..1339, 1303..1371, 1304..1339, 1339..1404, 1340..1405, 1347..1412, 1347..1406		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	673	End	2655
GI	none	Score	114
Exons	673..834, 691..831, 704..835, 832..1875, 833..1018, 955..1323, 1067..1600, 1372..1665, 1754..1858, 1930..2049, 1934..2038, 2047..2109, 2119..2205, 2299..2373, 2411..2653, 2413..2655		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2

Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o1.tw	Method	TBLASTX:Wheat
Start	1388	End	1755
GI	none	Score	329
Exons	1388..1663, 1389..1547, 1390..1755, 1390..1731		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o3.tm	Method	TBLASTX:Maize
Start	1594	End	1806
GI	none	Score	130
Exons	1594..1806, 1594..1806		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	1825	End	2341
GI	none	Score	428
Exons	1825..2277, 1826..2278, 2239..2340, 2258..2341		

Seq. No.	43378	Seq. ID	OJ000350_63.0327.C2
Gene No.	90933	Strand	-
Start	4332	End	4443
Name	OJ000350_63.0327.C2.o2.np	Method	AAT/NAP
Start	4332	End	4443
GI	5922619	Score	110
Exons	4332..4443		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90934	Strand	+
Start	137	End	693
Name	OJ000350_63.0327.C3.o1.gs	Method	GENSCAN
Start	137	End	693
GI	none	Score	.82
Exons	137..190, 547..693		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90935	Strand	+
Start	3125	End	3208
Name	OJ000350_63.0327.C3.o2.np	Method	AAT/NAP
Start	3125	End	3208
GI	6630699	Score	71
Exons	3125..3208		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90936	Strand	+
Start	3344	End	6093
Name	OJ000350_63.0327.C3.o3.np	Method	AAT/NAP

Start	3344	End	5991
GI	6539570	Score	137
Exons	3344..3538, 3700..3766, 5905..5991		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90936	Strand	+
Start	3344	End	6093
Name	OJ000350_63.0327.C3.o1.gp	Method	AAT/GAP
Start	5670	End	6093
GI	LIB3477-003-P1-K1-E9	Score	154
Exons	5670..5774, 6072..6093		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90937	Strand	-
Start	527	End	3083
Name	OJ000350_63.0327.C3.o1.np	Method	AAT/NAP
Start	527	End	3070
GI	5922620	Score	381
Exons	527..772, 1253..1393, 1442..1602, 2142..2175, 2859..2990, 3032..3070		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90937	Strand	-
Start	527	End	3083
Name	OJ000350_63.0327.C3.o2.gs	Method	GENSCAN
Start	1004	End	3083
GI	none	Score	.66
Exons	1004..1209, 1242..1490, 2465..2497, 2810..2834, 2880..3083		

Seq. No.	43379	Seq. ID	OJ000350_63.0327.C3
Gene No.	90938	Strand	-
Start	4611	End	8843
Name	OJ000350_63.0327.C3.o3.gs	Method	GENSCAN
Start	4611	End	8843
GI	none	Score	.66
Exons	4611..5247, 7103..7122, 8733..8843		

Seq. No.	43380	Seq. ID	OJ000350_63.0327.C4
Gene No.	90939	Strand	+
Start	1131	End	1515
Name	OJ000350_63.0327.C4.o1.gs	Method	GENSCAN
Start	1131	End	1403
GI	none	Score	.56
Exons	1131..1218, 1220..1403		

Seq. No.	43380	Seq. ID	OJ000350_63.0327.C4
Gene No.	90939	Strand	+
Start	1131	End	1515

Name	OJ000350_63.0327.C4.o1.gp	Method	AAT/GAP
Start	1209	End	1515
GI	none	Score	578
Exons	1209..1515		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90940	Strand	+
Start	260	End	3462
Name	OJ000350_63.0327.C5.o1.gs	Method	GENSCAN
Start	260	End	3462
GI	none	Score	.73
Exons	260..498, 609..813, 941..981, 1069..1194, 2526..2742, 3049..3147, 3232..3462		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90941	Strand	+
Start	6071	End	6331
Name	OJ000350_63.0327.C5.o2.gs	Method	GENSCAN
Start	6071	End	6331
GI	none	Score	1
Exons	6071..6331		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90942	Strand	+
Start	8029	End	11486
Name	OJ000350_63.0327.C5.o3.gs	Method	GENSCAN
Start	8029	End	11486
GI	none	Score	.7
Exons	8029..8084, 8233..8375, 9275..9657, 11454..11486		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90942	Strand	+
Start	8029	End	11486
Name	OJ000350_63.0327.C5.o2.np	Method	AAT/NAP
Start	9140	End	10269
GI	6562266	Score	260
Exons	9140..9657, 9956..10032, 10122..10269		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90943	Strand	+
Start	13710	End	16712
Name	OJ000350_63.0327.C5.o4.gs	Method	GENSCAN
Start	13710	End	15188
GI	none	Score	.83
Exons	13710..15188		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90943	Strand	+
Start	13710	End	16712
Name	OJ000350_63.0327.C5.o4.np	Method	AAT/NAP
Start	13710	End	15305
GI	7430728	Score	378
Exons	13710..15079, 15236..15305		
GI Descrip.	cytochrome P450 - Arabidopsis thaliana gi\|3046815\|emb\|CAA16713.1\| (AL021687) cytochrome P450 [Arabidopsis thaliana] gi\|7268718\|emb\|CAB78925.1\| (AL161550)		

cytochrome P450 [Arabidopsis thaliana]

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90943	Strand	+
Start	13710	End	16712
Name	OJ000350_63.0327.C5.o3.np	Method	AAT/NAP
Start	13728	End	16143
GI	5915851	Score	467
Exons	13728..15076, 16083..16143		
GI Descrip.	CYTOCHROME P450 90A1 gi\|1076315\|pir\|\|S55379 cytochrome P450 - Arabidopsis thaliana gi\|853719\|emb\|CAA60793\| (X87367) CYP90 protein [Arabidopsis thaliana] gi\|871988\|emb\|CAA60794\| (X87368) CYP90 protein [Arabidopsis thaliana]		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90943	Strand	+
Start	13710	End	16712
Name	OJ000350_63.0327.C5.o5.gs	Method	GENSCAN
Start	15508	End	16712
GI	none	Score	.48
Exons	15508..15739, 16588..16712		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o2.tm	Method	TBLASTX:Maize
Start	2	End	1549
GI	none	Score	169
Exons	2..130, 4..129, 13..132, 245..496, 245..496, 247..528, 609..809, 613..813, 614..757, 646..813, 699..818, 930..980, 937..981, 941..979, 1053..1193, 1054..1185, 1061..1195, 1070..1207, 1493..1549		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o4.ts	Method	TBLASTX:Soybean
Start	630	End	1570
GI	4405666	Score	198
Exons	630..809, 646..819, 928..981, 930..980, 1070..1177, 1481..1570		
GI Descrip.	-		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o4.tc	Method	TBLASTX:Cress
Start	655	End	1188
GI	none	Score	192
Exons	655..813, 664..804, 1063..1188, 1070..1174		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o4.tm	Method	TBLASTX:Maize
Start	1730	End	2550
GI	none	Score	369
Exons	1730..1954, 1731..1955, 1732..1956, 1732..1965, 2286..2405,		

2289..2405, 2311..2415, 2311..2415, 2524..2550, 2526..2549

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o2.ts	Method	TBLASTX:Soybean
Start	2368	End	3081
GI	none	Score	51
Exons	2368..2415, 2524..2607, 2529..2600, 2536..2607, 2595..2738, 2599..2742, 2844..2885, 2891..2965, 2893..2970, 3052..3081, 3055..3081		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	2552	End	3681
GI	none	Score	228
Exons	2552..2737, 2552..2737, 2553..2738, 2554..2742, 2843..2866, 2844..2885, 2884..2973, 2885..2965, 2901..2969, 3046..3150, 3049..3147, 3051..3149, 3211..3441, 3231..3443, 3231..3443, 3356..3445, 3551..3643, 3577..3651, 3590..3643, 3644..3679, 3649..3681		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o1.tc	Method	TBLASTX:Cress
Start	2554	End	3417
GI	none	Score	261
Exons	2554..2742, 2559..2723, 2893..2964, 2894..2965, 3045..3149, 3046..3150, 3211..3417, 3211..3312, 3231..3356		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o5.ts	Method	TBLASTX:Soybean
Start	3090	End	3667
GI	none	Score	105
Exons	3090..3149, 3091..3159, 3211..3423, 3211..3420, 3231..3422, 3418..3441, 3577..3663, 3590..3667		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o1.tw	Method	TBLASTX:Wheat
Start	4780	End	5165
GI	none	Score	67
Exons	4780..4842, 4853..4963, 4854..4961, 4962..5165, 4972..5160		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o5.tm	Method	TBLASTX:Maize
Start	4783	End	5217
GI	none	Score	45
Exons	4783..4854, 4786..4860, 4787..4864, 4853..4891, 4892..4954,		

4974..5216, 4974..5216, 4981..5217

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o3.tm	Method	TBLASTX:Maize
Start	9254	End	10008
GI	none	Score	206
Exons	9254..9460, 9268..9663, 9273..9653, 9955..10008		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o2.tc	Method	TBLASTX:Cress
Start	9277	End	10272
GI	none	Score	215
Exons	9277..9468, 9279..9488, 9492..9530, 9508..9543, 9535..9663, 9555..9659, 9977..10033, 10140..10271, 10141..10272		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o6.ts	Method	TBLASTX:Soybean
Start	9286	End	9486
GI	none	Score	212
Exons	9286..9468, 9286..9486		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o7.ts	Method	TBLASTX:Soybean
Start	9487	End	10170
GI	none	Score	204
Exons	9487..9663, 9489..9659, 9949..10035, 9977..10033, 10123..10170		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o3.tc	Method	TBLASTX:Cress
Start	13806	End	15080
GI	none	Score	124
Exons	13806..14015, 14712..14912, 14979..15080		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o6.tm	Method	TBLASTX:Maize
Start	13896	End	14285
GI	none	Score	101
Exons	13896..14063, 14046..14285		

Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o1.ts	Method	TBLASTX:Soybean
Start	14019	End	14456
GI	none	Score	225

Exons	14019..14288, 14057..14284, 14310..14456		
Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o3.ts	Method	TBLASTX:Soybean
Start	14526	End	15104
GI	none	Score	84
Exons	14526..14633, 14700..14915, 14979..15104, 15008..15079		
Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o7.tm	Method	TBLASTX:Maize
Start	14529	End	15079
GI	none	Score	78
Exons	14529..14624, 14552..14623, 14697..14915, 14715..14867, 14979..15077, 15005..15079		
Seq. No.	43381	Seq. ID	OJ000350_63.0327.C5
Gene No.	90944	Strand	-
Start	18144	End	18600
Name	OJ000350_63.0327.C5.o6.gs	Method	GENSCAN
Start	18144	End	18600
GI	none	Score	.76
Exons	18144..18200, 18550..18600		
Seq. No.	43382	Seq. ID	OJ000350_63.0327.C6
Gene No.	90945	Strand	-
Start	54	End	406
Name	OJ000350_63.0327.C6.o1.gs	Method	GENSCAN
Start	54	End	406
GI	none	Score	.77
Exons	54..128, 202..277, 285..406		
Seq. No.	43383	Seq. ID	OJ000350_63.0327.C7
Gene No.	90946	Strand	+
Start	383	End	4112
Name	OJ000350_63.0327.C7.o1.np	Method	AAT/NAP
Start	383	End	961
GI	1351270	Score	135
Exons	383..479, 582..655, 738..826, 917..961		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) gi\|478410\|pir\|\|JQ2255 triose-phosphate isomerase (EC 5.3.1.1) - rice gi\|169821\|gb\|AAA18541.1\| (M87064) triosephosphate isomerase [Oryza sativa]		
Seq. No.	43383	Seq. ID	OJ000350_63.0327.C7
Gene No.	90946	Strand	+
Start	383	End	4112
Name	OJ000350_63.0327.C7.o1.gs	Method	GENSCAN
Start	744	End	2581
GI	none	Score	.8
Exons	744..826, 1795..1836, 2474..2581		
Seq. No.	43383	Seq. ID	OJ000350_63.0327.C7
Gene No.	90946	Strand	+

Start	383	End	4112
Name	OJ000350_63.0327.C7.o2.np	Method	AAT/NAP
Start	2478	End	4112
GI	4559339	Score	60
Exons	2478..2608, 4029..4112		
GI Descrip.	(AC007087) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	43383	Seq. ID	OJ000350_63.0327.C7
Gene No.	90947	Strand	-
Start	4100	End	5128
Name	OJ000350_63.0327.C7.o2.gs	Method	GENSCAN
Start	4100	End	5128
GI	none	Score	.59
Exons	4100..5128		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90948	Strand	+
Start	2914	End	7072
Name	OJ000350_63.0327.C8.o2.np	Method	AAT/NAP
Start	2882	End	7072
GI	6907089	Score	264
Exons	2882..3621, 7049..7072		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90948	Strand	+
Start	2914	End	7072
Name	OJ000350_63.0327.C8.o2.gs	Method	GENSCAN
Start	2914	End	5918
GI	none	Score	.83
Exons	2914..3267, 3475..3634, 3714..3838, 3951..4097, 4168..4226, 4300..4745, 4757..4911, 5266..5320, 5401..5918		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90948	Strand	+
Start	2914	End	7072
Name	OJ000350_63.0327.C8.o3.np	Method	AAT/NAP
Start	3842	End	5040
GI	6721561	Score	1136
Exons	3842..4097, 4168..4226, 4300..5040		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90949	Strand	+
Start	13473	End	14496
Name	OJ000350_63.0327.C8.o6.np	Method	AAT/NAP
Start	13473	End	14496
GI	7450345	Score	211
Exons	13473..13793, 14409..14496		
GI Descrip.	probable ammonium transport protein F16A16.190 - Arabidopsis thaliana gi\|4218128\|emb\|CAA22982.1\| (AL035353) ammonium transporter-like protein [Arabidopsis thaliana]		

gi|7269725|emb|CAB81458.1| (AL161573) ammonium transporter-like protein [Arabidopsis thaliana]

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90950	Strand	-
Start	1193	End	2660
Name	OJ000350_63.0327.C8.o1.np	Method	AAT/NAP
Start	706	End	2469
GI	7523517	Score	296
Exons	706..726, 1970..2024, 2169..2469		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90950	Strand	-
Start	1193	End	2660
Name	OJ000350_63.0327.C8.o1.gs	Method	GENSCAN
Start	1193	End	2660
GI	none	Score	.77
Exons	1193..1205, 1506..1613, 1808..1905, 1954..2024, 2513..2660		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90951	Strand	-
Start	6432	End	15362
Name	OJ000350_63.0327.C8.o3.gs	Method	GENSCAN
Start	6432	End	15362
GI	none	Score	.48
Exons	6432..7639, 7831..8269, 8447..9559, 9728..10115, 10212..10736, 10851..11031, 11274..11589, 11618..11976, 12008..12736, 12741..12814, 13302..13528, 13556..13765, 13799..13899, 13936..14060, 15292..15362		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90951	Strand	-
Start	6432	End	15362
Name	OJ000350_63.0327.C8.o4.np	Method	AAT/NAP
Start	6435	End	12832
GI	7228457	Score	3098
Exons	6435..7972, 8039..9718, 9776..11274, 12728..12832		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90951	Strand	-
Start	6432	End	15362
Name	OJ000350_63.0327.C8.o5.np	Method	AAT/NAP
Start	11166	End	13258
GI	7523517	Score	328
Exons	11166..11193, 12741..12814, 12959..13258		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o3.tw	Method	TBLASTX:Wheat
Start	6444	End	7052
GI	none	Score	69

Exons	6444..6575, 6445..6570, 6600..7052, 6796..6903, 6949..7047		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o4.tm	Method	TBLASTX:Maize
Start	6567	End	6830
GI	none	Score	194
Exons	6567..6830		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o5.tw	Method	TBLASTX:Wheat
Start	7176	End	7559
GI	none	Score	40
Exons	7176..7559, 7177..7209, 7243..7326, 7363..7551		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o2.tm	Method	TBLASTX:Maize
Start	7254	End	7559
GI	none	Score	180
Exons	7254..7559, 7255..7521		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o6.tw	Method	TBLASTX:Wheat
Start	8060	End	8414
GI	none	Score	93
Exons	8060..8233, 8241..8414, 8243..8410		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o1.ts	Method	TBLASTX:Soybean
Start	8552	End	8977
GI	none	Score	67
Exons	8552..8977, 8793..8918		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o2.tw	Method	TBLASTX:Wheat
Start	8607	End	9031
GI	none	Score	240
Exons	8607..8921, 8609..9031, 8750..9028		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o3.tm	Method	TBLASTX:Maize
Start	8705	End	9088
GI	none	Score	121
Exons	8705..9088, 8706..8921, 8903..9028		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o1.tm	Method	TBLASTX:Maize
Start	9116	End	9472
GI	none	Score	215
Exons	9116..9472, 9117..9410		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o1.tw	Method	TBLASTX:Wheat
Start	9146	End	9605
GI	none	Score	278
Exons	9146..9487, 9147..9488, 9488..9604, 9489..9605		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o4.tw	Method	TBLASTX:Wheat
Start	9797	End	10252
GI	none	Score	136
Exons	9797..10033, 9807..10031, 10070..10252, 10071..10244		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o7.tw	Method	TBLASTX:Wheat
Start	10886	End	11281
GI	none	Score	70
Exons	10886..11158, 10922..11074, 10932..11138, 11117..11230, 11127..11219, 11231..11281		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o5.tm	Method	TBLASTX:Maize
Start	10997	End	11236
GI	none	Score	186
Exons	10997..11236		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o1.tc	Method	TBLASTX:Cress
Start	13478	End	13838
GI	none	Score	158
Exons	13478..13606, 13628..13756, 13629..13754, 13759..13794, 13785..13838		

Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o2.ts	Method	TBLASTX:Soybean
Start	13481	End	13794
GI	none	Score	135

Exons	13481..13618, 13576..13614, 13612..13638, 13628..13762, 13629..13754, 13759..13794		
Seq. No.	43384	Seq. ID	OJ000350_63.0327.C8
Gene No.	90952	Strand	-
Start	17763	End	18155
Name	OJ000350_63.0327.C8.o4.gs	Method	GENSCAN
Start	17763	End	18155
GI	none	Score	.43
Exons	17763..18155		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o3.tm	Method	TBLASTX:Maize
Start	1457	End	1748
GI	none	Score	73
Exons	1457..1537, 1550..1747, 1551..1748		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o4.tw	Method	TBLASTX:Wheat
Start	1634	End	1985
GI	none	Score	79
Exons	1634..1969, 1824..1985		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	1919	End	2391
GI	none	Score	65
Exons	1919..2005, 1920..2000, 2015..2104, 2021..2083, 2103..2390, 2173..2391		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	2594	End	3555
GI	none	Score	123
Exons	2594..3256, 2934..3080, 3114..3203, 3238..3555		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	2846	End	3257
GI	none	Score	61
Exons	2846..2926, 2907..3089, 2918..3070, 3080..3256, 3111..3257		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o2.tw	Method	TBLASTX:Wheat
Start	3301	End	3507

GI	none	Score	67
Exons	3301..3387, 3301..3378, 3302..3394, 3400..3507		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o3.tw	Method	TBLASTX:Wheat
Start	3831	End	4119
GI	none	Score	82
Exons	3831..3881, 3919..4119, 3956..4075		
Seq. No.	43385	Seq. ID	OJ000350_63.0327.C9
Gene No.	90953	Strand	+
Start	5408	End	7226
Name	OJ000350_63.0327.C9.o2.gs	Method	GENSCAN
Start	5408	End	7226
GI	none	Score	.75
Exons	5408..5419, 6150..6199, 7022..7226		
Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90954	Strand	+
Start	120	End	3512
Name	OJ000350_63.0327.C10.o1.gs	Method	GENSCAN
Start	120	End	3512
GI	none	Score	.59
Exons	120..333, 1585..1838, 2010..2137, 3404..3512		
Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90955	Strand	+
Start	6461	End	6925
Name	OJ000350_63.0327.C10.o1.gp	Method	AAT/GAP
Start	6461	End	6925
GI	none	Score	902
Exons	6461..6925		
Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90956	Strand	+
Start	7068	End	10667
Name	OJ000350_63.0327.C10.o1.np	Method	AAT/NAP
Start	7068	End	10459
GI	4249382	Score	1711
Exons	7068..7199, 7738..7835, 7996..8182, 8279..8384, 8480..8555, 8642..8701, 8787..8971, 9055..9151, 9256..9342, 9430..9488, 9594..9685, 9798..9875, 9977..10137, 10244..10459		
GI Descrip.	(AC005966) Strong similarity to gi\|3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb\|AC004481. [Arabidopsis thaliana]		
Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90956	Strand	+
Start	7068	End	10667
Name	OJ000350_63.0327.C10.o3.gs	Method	GENSCAN
Start	7821	End	10506
GI	none	Score	.82
Exons	7821..7835, 7996..8172, 8284..8384, 8480..8555, 8787..8971, 9055..9151, 9256..9342, 9740..9875, 9977..10137, 10244..10342, 10384..10506		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90956	Strand	+
Start	7068	End	10667
Name	OJ000350_63.0327.C10.o2.gp	Method	AAT/GAP
Start	8621	End	10667
GI	23452_1.R1084	Score	2147
Exons	8621..8701, 8787..8971, 9055..9151, 9256..9342, 9430..9488, 9594..9685, 9798..9875, 9977..10137, 10244..10667		
GI Descrip.	'4249382/gb\|AAD14479\| 1.0e-144 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90957	Strand	+
Start	16030	End	16685
Name	OJ000350_63.0327.C10.o3.gp	Method	AAT/GAP
Start	16030	End	16685
GI	LIB3475-008-P1-K1-F9	Score	309
Exons	16030..16144, 16626..16685		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90958	Strand	-
Start	6186	End	7179
Name	OJ000350_63.0327.C10.o2.gs	Method	GENSCAN
Start	6186	End	7179
GI	none	Score	.63
Exons	6186..6413, 6732..6936, 6959..7179		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	7124	End	10465
GI	none	Score	127
Exons	7124..7216, 7739..7837, 7740..7835, 7995..8171, 7996..8172, 8278..8391, 8283..8387, 8477..8563, 8478..8561, 8641..8697, 8642..8701, 8776..8943, 8787..8951, 8792..8950, 9053..9115, 9054..9116, 9055..9150, 9056..9151, 9256..9342, 9258..9341, 9261..9344, 9427..9489, 9594..9704, 9595..9765, 9598..9705, 9757..9876, 9782..9877, 9954..10148, 9958..10155, 9982..10149, 10242..10319, 10243..10458, 10244..10465		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o3.tc	Method	TBLASTX:Cress
Start	7124	End	8378
GI	none	Score	109
Exons	7124..7216, 7739..7813, 7740..7835, 7995..8165, 7996..8172, 8280..8378, 8281..8376		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707

Name	OJ000350_63.0327.C10.o1.tm	Method	TBLASTX:Maize
Start	7151	End	10462
GI	none	Score	80
Exons	7151..7216, 7739..7828, 7740..7835, 7741..7836, 7743..7835, 7995..8165, 7996..8166, 8284..8385, 8286..8384, 8477..8557, 8477..8563, 8478..8561, 8629..8700, 8641..8688, 8642..8803, 8779..8940, 8786..8971, 8787..8972, 9053..9115, 9054..9110, 9055..9150, 9056..9151, 9256..9342, 9258..9347, 9427..9489, 9566..9679, 9594..9764, 9595..9765, 9782..9877, 9784..9876, 9937..10155, 9953..10135, 9972..10169, 10243..10461, 10244..10462		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o2.tc	Method	TBLASTX:Cress
Start	8784	End	9303
GI	none	Score	199
Exons	8784..8924, 8786..8968, 8787..8972, 9053..9118, 9055..9150, 9056..9151, 9256..9303, 9258..9302		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	9304	End	10463
GI	none	Score	67
Exons	9304..9342, 9427..9489, 9597..9764, 9607..9765, 9761..9877, 9784..9876, 9954..10178, 9958..10137, 9987..10145, 10215..10376, 10244..10462, 10253..10450, 10425..10463		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o1.tw	Method	TBLASTX:Wheat
Start	9645	End	10387
GI	none	Score	41
Exons	9645..9683, 9645..9686, 9646..9765, 9782..9877, 9784..9876, 9795..9878, 9798..9878, 9890..10135, 9954..10148, 9958..10155, 10243..10371, 10244..10387, 10253..10387		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o4.gs	Method	GENSCAN
Start	11827	End	14707
GI	none	Score	.63
Exons	11827..12005, 12467..12675, 12713..12805, 12942..13878, 14107..14707		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o2.np	Method	AAT/NAP
Start	12393	End	14471
GI	6069646	Score	982
Exons	12393..13357, 13640..14471		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o4.tm	Method	TBLASTX:Maize
Start	12414	End	12858
GI	none	Score	72
Exons	12414..12857, 12691..12858		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o2.ts	Method	TBLASTX:Soybean
Start	13256	End	13804
GI	none	Score	63
Exons	13256..13384, 13302..13427, 13454..13672, 13509..13598, 13736..13804		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o2.tw	Method	TBLASTX:Wheat
Start	13343	End	13783
GI	none	Score	46
Exons	13343..13468, 13481..13675, 13730..13783		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o2.tm	Method	TBLASTX:Maize
Start	13418	End	14110
GI	none	Score	58
Exons	13418..13876, 13752..13877, 13910..14110, 13917..14009		

Seq. No.	43386	Seq. ID	OJ000350_63.0327.C10
Gene No.	90959	Strand	-
Start	11827	End	14707
Name	OJ000350_63.0327.C10.o3.tm	Method	TBLASTX:Maize
Start	14111	End	14608
GI	none	Score	80
Exons	14111..14191, 14112..14189, 14198..14443, 14210..14476, 14471..14608, 14484..14591		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90960	Strand	+
Start	322	End	2637
Name	OJ000350_63.0327.C11.o1.gs	Method	GENSCAN
Start	322	End	2519
GI	none	Score	.45
Exons	322..442, 1446..1489, 2184..2345, 2418..2519		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11

Gene No.	90960	Strand	+
Start	322	End	2637
Name	OJ000350_63.0327.C11.o1.gp	Method	AAT/GAP
Start	1564	End	2637
GI	none	Score	1368
Exons	1564..1940, 2181..2345, 2418..2637		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o2.gs	Method	GENSCAN
Start	3152	End	4326
GI	none	Score	.84
Exons	3152..3741, 3840..4326		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o1.tm	Method	TBLASTX:Maize
Start	3158	End	4325
GI	none	Score	85
Exons	3158..3292, 3159..3281, 3308..3397, 3392..3469, 3506..3742, 3522..3743, 3820..3912, 4003..4167, 4290..4325		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o1.tc	Method	TBLASTX:Cress
Start	3161	End	4065
GI	none	Score	74
Exons	3161..3202, 3212..3304, 3213..3293, 3308..3397, 3309..3383, 3452..3742, 3465..3575, 3663..3743, 3847..3909, 3866..3907, 3994..4065		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o1.np	Method	AAT/NAP
Start	3164	End	4317
GI	7435799	Score	684
Exons	3164..3745, 3847..4317		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) - barley gi\|2224810\|emb\|CAB09698.1\| (Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o1.ts	Method	TBLASTX:Soybean
Start	3167	End	4200
GI	none	Score	57
Exons	3167..3202, 3212..3322, 3231..3323, 3303..3398, 3305..3397, 3395..3634, 3635..3742, 3663..3743, 3853..3909, 3866..3910, 3997..4200		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-

Start	3152	End	4390
Name	OJ000350_63.0327.C11.o1.tw	Method	TBLASTX:Wheat
Start	3219	End	4239
GI	none	Score	410
Exons	3219..3740, 3230..3739, 3684..3743, 3832..3906, 3853..3906, 3932..4219, 3934..4239		

Seq. No.	43387	Seq. ID	OJ000350_63.0327.C11
Gene No.	90961	Strand	-
Start	3152	End	4390
Name	OJ000350_63.0327.C11.o2.gp	Method	AAT/GAP
Start	3578	End	4390
GI	26176_1.R1084	Score	1386
Exons	3578..3741, 3840..4390		
GI Descrip.	'1323748 2.0e-36 (U32430) thiol protease [Triticum aestivum]'		

Seq. No.	43388	Seq. ID	OJ000350_63.0327.C12
Gene No.	90962	Strand	-
Start	3081	End	3153
Name	OJ000350_63.0327.C12.o1.gs	Method	GENSCAN
Start	3081	End	3153
GI	none	Score	.68
Exons	3081..3153		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90963	Strand	+
Start	1793	End	4910
Name	OJ000350_63.0327.C13.o1.gs	Method	GENSCAN
Start	1793	End	4910
GI	none	Score	.87
Exons	1793..1856, 1941..2138, 3311..3373, 4888..4910		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90964	Strand	+
Start	7548	End	11199
Name	OJ000350_63.0327.C13.o3.gs	Method	GENSCAN
Start	7548	End	11024
GI	none	Score	.75
Exons	7548..7627, 8579..8667, 10141..10533, 10617..10765, 10860..11024		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90964	Strand	+
Start	7548	End	11199
Name	OJ000350_63.0327.C13.o1.gp	Method	AAT/GAP
Start	10087	End	10408
GI	700354	Score	518
Exons	10087..10408		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90964	Strand	+
Start	7548	End	11199
Name	OJ000350_63.0327.C13.o2.gp	Method	AAT/GAP
Start	10792	End	11199
GI	LIB3434-016-P1-K1-G4	Score	743
Exons	10792..11199		
GI Descrip.	'1621497/dbj\|BAA12904\| 2.0e-42 (D85878) reverse transcriptase [Oryza sativa]'		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o1.np	Method	AAT/NAP
Start	3963	End	15019
GI	7486142	Score	1106
Exons	3963..3989, 6597..6725, 13157..14722, 14886..15019		
GI Descrip.	hypothetical protein F25I24.200 - Arabidopsis thaliana gi\|4539373\|emb\|CAB40067.1\| (AL049525) putative retrotransposon polyprotein [Arabidopsis thaliana] gi\|7267797\|emb\|CAB81200.1\| (AL161518) putative retrotransposon polyprotein [Arabidopsis thaliana]		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o2.gs	Method	GENSCAN
Start	5875	End	6120
GI	none	Score	.97
Exons	5875..6120		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o3.tc	Method	TBLASTX:Cress
Start	10227	End	10656
GI	none	Score	154
Exons	10227..10358, 10229..10351, 10455..10568, 10460..10528, 10600..10656		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o3.tm	Method	TBLASTX:Maize
Start	10227	End	10529
GI	none	Score	208
Exons	10227..10367, 10229..10363, 10455..10529, 10460..10525		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o3.ts	Method	TBLASTX:Soybean
Start	10230	End	10532
GI	none	Score	162
Exons	10230..10358, 10232..10351, 10455..10532, 10460..10513		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o1.ts	Method	TBLASTX:Soybean
Start	13148	End	13792
GI	none	Score	37
Exons	13148..13372, 13278..13367, 13400..13792, 13488..13601, 13707..13790		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13

Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o2.tw	Method	TBLASTX:Wheat
Start	13181	End	13639
GI	none	Score	140
Exons	13181..13381, 13394..13639		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o2.tc	Method	TBLASTX:Cress
Start	13184	End	13813
GI	none	Score	97
Exons	13184..13381, 13397..13519, 13631..13813		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	13202	End	13804
GI	none	Score	277
Exons	13202..13375, 13397..13804		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o1.tw	Method	TBLASTX:Wheat
Start	13829	End	14494
GI	none	Score	53
Exons	13829..13936, 13961..14161, 14156..14257, 14258..14494, 14259..14339, 14413..14478		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o2.tm	Method	TBLASTX:Maize
Start	13922	End	14353
GI	none	Score	34
Exons	13922..14248, 13968..14012, 14121..14249, 14270..14353		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o3.gp	Method	AAT/GAP
Start	14087	End	14323
GI	1621496	Score	462
Exons	14087..14323		
GI Descrip.	1621497/dbj\|BAA12904\| 2.0e-42 (D85878) reverse transcriptase [Oryza sativa]		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o2.ts	Method	TBLASTX:Soybean
Start	14177	End	14662
GI	5509260	Score	57
Exons	14177..14251, 14181..14231, 14256..14342, 14258..14662		

GI Descrip. -

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o1.tc	Method	TBLASTX:Cress
Start	14276	End	14536
GI	none	Score	250
Exons	14276..14536		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o4.tm	Method	TBLASTX:Maize
Start	14396	End	14630
GI	none	Score	84
Exons	14396..14629, 14460..14630		

Seq. No.	43389	Seq. ID	OJ000350_63.0327.C13
Gene No.	90965	Strand	-
Start	3963	End	15019
Name	OJ000350_63.0327.C13.o4.gp	Method	AAT/GAP
Start	14465	End	14933
GI	none	Score	875
Exons	14465..14933		

Seq. No.	43390	Seq. ID	OJ000350_63.0327.C16
Gene No.	90966	Strand	-
Start	1824	End	3150
Name	OJ000350_63.0327.C16.o1.gs	Method	GENSCAN
Start	1824	End	3150
GI	none	Score	.6
Exons	1824..1900, 1933..1956, 3132..3150		

Seq. No.	43391	Seq. ID	OJ000350_63.0327.C20
Gene No.	90967	Strand	+
Start	235	End	325
Name	OJ000350_63.0327.C20.o1.gs	Method	GENSCAN
Start	235	End	325
GI	none	Score	.74
Exons	235..325		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544
Name	OJ000350_68.0327.C5.o1.np	Method	AAT/NAP
Start	1	End	2289
GI	2117355	Score	319
Exons	1..135, 218..315, 931..1003, 1097..1167, 1263..1312, 2041..2153, 2240..2289		
GI Descrip.	mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato gi\|587562\|emb\|CAA56520\| (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544

Name	OJ000350_68.0327.C5.o1.gp	Method	AAT/GAP
Start	218	End	979
GI	286522	Score	227
Exons	218..315, 931..979		
GI Descrip.	266567/sp\|P29677\|MPPA_SOLTU 3.0e-50 MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II) >gi_421956_pir__S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato >gi_21493_emb_CAA46990_ (X66284) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544
Name	OJ000350_68.0327.C5.o1.gs	Method	GENSCAN
Start	218	End	3544
GI	none	Score	.67
Exons	218..315, 931..1003, 1097..1167, 1263..1312, 2041..2153, 2525..2643, 2972..3064, 3443..3544		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544
Name	OJ000350_68.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	218	End	2297
GI	none	Score	120
Exons	218..310, 219..314, 219..329, 220..348, 931..1002, 933..1007, 934..1002, 1085..1165, 1094..1165, 1095..1166, 1096..1167, 1202..1327, 1257..1313, 1272..1328, 1273..1314, 2038..2157, 2039..2152, 2235..2297, 2239..2292		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544
Name	OJ000350_68.0327.C5.o1.tw	Method	TBLASTX:Wheat
Start	263	End	2095
GI	none	Score	89
Exons	263..310, 264..314, 265..348, 930..1001, 932..1000, 933..1001, 935..1051, 1096..1167, 1097..1168, 1097..1168, 1098..1169, 1202..1315, 1257..1313, 1275..1325, 2038..2094, 2039..2095		

Seq. No.	43392	Seq. ID	OJ000350_68.0327.C5
Gene No.	90968	Strand	+
Start	1	End	3544
Name	OJ000350_68.0327.C5.o2.gp	Method	AAT/GAP
Start	2277	End	2726
GI	3760796	Score	871
Exons	2277..2726		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90969	Strand	+
Start	1	End	5044
Name	OJ000350_68.0327.C6.o1.np	Method	AAT/NAP
Start	1	End	4190
GI	7434214	Score	1287
Exons	1..22, 488..534, 633..672, 754..816, 902..1039, 1894..2052,		

2132..2185, 2345..2413, 2535..2664, 2930..2970, 3154..3378, 3581..3626, 3723..3874, 4043..4190

GI Descrip. pyrophosphate-dependent phosphofructo-1-kinase homolog T17A13.40 - Arabidopsis thaliana gi|7269820|emb|CAB79680.1| (AL161574) pyrophosphate-dependent phosphofructo-1-kinase-like protein [Arabidopsis thaliana]

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90969	Strand	+
Start	1	End	5044
Name	OJ000350_68.0327.C6.o1.gs	Method	GENSCAN
Start	488	End	5044
GI	none	Score	.8

Exons 488..534, 633..672, 754..816, 902..1039, 1894..2052, 2132..2185, 2535..2664, 2930..2970, 3154..3199, 3221..3378, 3581..3626, 3723..3874, 4748..5044

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90969	Strand	+
Start	1	End	5044
Name	OJ000350_68.0327.C6.o1.gp	Method	AAT/GAP
Start	929	End	4505
GI	20631_1.R1084	Score	2626

Exons 929..1039, 1894..2052, 2132..2185, 2345..2413, 2535..2664, 2930..2970, 3154..3378, 3581..3626, 3723..3874, 4043..4505

GI Descrip. '4539423/emb|CAB38956.1| 1.0e-152 (AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]'

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o2.tc	Method	TBLASTX:Cress
Start	487	End	1036
GI	none	Score	62

Exons 487..534, 488..535, 624..671, 625..675, 751..819, 895..1032, 901..1020, 902..1036

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o1.ts	Method	TBLASTX:Soybean
Start	488	End	3384
GI	none	Score	69

Exons 488..535, 624..674, 625..675, 751..819, 901..1035, 902..1036, 1896..2054, 1896..2054, 1897..2055, 2123..2218, 2131..2178, 2339..2416, 2356..2415, 2535..2666, 2537..2668, 2537..2665, 2926..2970, 3154..3384, 3154..3294, 3243..3380

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o1.tm	Method	TBLASTX:Maize
Start	766	End	4266
GI	none	Score	92

Exons 766..819, 946..1038, 947..1039, 947..1045, 1893..2054, 1893..2057, 1894..2055, 2122..2220, 2128..2202, 2339..2416,

2344..2412, 2526..2663, 2530..2664, 2534..2665, 2535..2666,
2926..2970, 2928..2972, 2931..2972, 3154..3378, 3154..3297,
3155..3385, 3213..3380, 3340..3384, 3577..3624, 3578..3625,
3581..3625, 3659..3874, 3714..3872, 3722..3874, 3980..4213,
4040..4213, 4042..4266, 4042..4248

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o3.tc	Method	TBLASTX:Cress
Start	1896	End	2392
GI	none	Score	217
Exons	1896..2054, 1897..2055, 1951..2070, 2123..2191, 2129..2203, 2131..2226, 2339..2392		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o2.tw	Method	TBLASTX:Wheat
Start	2363	End	3324
GI	none	Score	73
Exons	2363..2416, 2535..2639, 2537..2635, 2926..2970, 2928..2972, 3154..3324, 3154..3291, 3246..3296		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o4.tc	Method	TBLASTX:Cress
Start	3154	End	3348
GI	none	Score	198
Exons	3154..3309, 3246..3284, 3316..3348		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o2.ts	Method	TBLASTX:Soybean
Start	3710	End	4159
GI	none	Score	177
Exons	3710..3826, 3720..3815, 3722..3823, 3826..3867, 3827..3883, 4046..4159, 4060..4128		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o1.tw	Method	TBLASTX:Wheat
Start	3716	End	3866
GI	none	Score	242
Exons	3716..3865, 3726..3866		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o2.gs	Method	GENSCAN
Start	5476	End	6827
GI	none	Score	.91
Exons	5476..5566, 5671..6223, 6331..6827		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o2.np	Method	AAT/NAP
Start	5592	End	6897
GI	7446422	Score	499
Exons	5592..6215, 6326..6897		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) T20K24.21 - Arabidopsis thaliana gi\|3176723\|gb\|AAD12037.1\| (AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o1.tc	Method	TBLASTX:Cress
Start	5667	End	6826
GI	none	Score	196
Exons	5667..5876, 5669..5734, 5780..5866, 5888..6133, 5889..6143, 6527..6625, 6650..6697, 6722..6826		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o3.ts	Method	TBLASTX:Soybean
Start	5670	End	6098
GI	none	Score	44
Exons	5670..5693, 5792..5869, 5805..5876, 5898..5999, 5900..5995, 6030..6098, 6053..6097		

Seq. No.	43393	Seq. ID	OJ000350_68.0327.C6
Gene No.	90970	Strand	+
Start	5476	End	6897
Name	OJ000350_68.0327.C6.o3.tw	Method	TBLASTX:Wheat
Start	5818	End	6005
GI	none	Score	69
Exons	5818..5958, 5819..5902, 5819..5962, 5820..5954, 5958..6005, 5958..6002		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90971	Strand	+
Start	1	End	3219
Name	OJ000350_68.0327.C7.o1.np	Method	AAT/NAP
Start	1	End	1685
GI	4689473	Score	720
Exons	1..117, 239..472, 568..707, 824..876, 984..1176, 1271..1685		
GI Descrip.	(AC007213) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90971	Strand	+
Start	1	End	3219
Name	OJ000350_68.0327.C7.o1.gs	Method	GENSCAN
Start	209	End	3219
GI	none	Score	.65
Exons	209..472, 568..694, 808..909, 984..1176, 1271..1688, 2465..2494, 2649..2824, 3000..3219		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o1.tc	Method	TBLASTX:Cress
Start	275	End	7799
GI	none	Score	124
Exons	275..442, 310..396, 394..483, 401..484, 553..663, 556..714, 825..878, 982..1104, 983..1138, 1022..1108, 1136..1180, 1271..1363, 1272..1361, 1410..1574, 4730..4939, 4732..4845, 4951..5025, 4952..5017, 5024..5209, 6315..6491, 6507..6611, 6858..6929, 6859..6978, 7698..7799		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	305	End	1565
GI	none	Score	49
Exons	305..379, 356..475, 358..474, 577..678, 795..878, 983..1102, 1145..1204, 1293..1352, 1416..1565		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o2.ts	Method	TBLASTX:Soybean
Start	329	End	696
GI	none	Score	91
Exons	329..403, 401..484, 402..452, 553..687, 556..696		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o1.ts	Method	TBLASTX:Soybean
Start	982	End	1583
GI	none	Score	136
Exons	982..1098, 983..1102, 1141..1179, 1151..1180, 1272..1370, 1286..1348, 1383..1583, 1385..1507		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o1.tw	Method	TBLASTX:Wheat
Start	1063	End	1429
GI	none	Score	152
Exons	1063..1179, 1064..1180, 1070..1210, 1269..1427, 1271..1429		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o2.np	Method	AAT/NAP
Start	3975	End	8144
GI	4836918	Score	610
Exons	3975..4038, 4710..5259, 6092..6616, 6864..6998, 7567..7638, 7727..7793, 8014..8144		
GI Descrip.	(AC007153) 89334 [Arabidopsis thaliana]		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7

Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o2.gs	Method	GENSCAN
Start	4530	End	8121
GI	none	Score	.7
Exons	4530..4617, 4734..5286, 6143..6612, 6860..6998, 7727..7798, 8060..8121		

Seq. No.	43394	Seq. ID	OJ000350_68.0327.C7
Gene No.	90972	Strand	+
Start	3975	End	8144
Name	OJ000350_68.0327.C7.o2.tw	Method	TBLASTX:Wheat
Start	4883	End	5071
GI	none	Score	274
Exons	4883..5071, 4891..5067		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90973	Strand	+
Start	1	End	3107
Name	OJ000350_68.0327.C8.o2.np	Method	AAT/NAP
Start	1	End	3107
GI	7446449	Score	662
Exons	1..45, 744..833, 930..1128, 1269..1477, 1579..1708, 1782..1844, 1949..2141, 2233..2557, 3027..3107		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) F9F13.100 - Arabidopsis thaliana gi\|5262168\|emb\|CAB45811.1\| (AL080253) receptor protein kinase-like protein [Arabidopsis thaliana] gi\|7268841\|emb\|CAB79045.1\| (AL161553) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90973	Strand	+
Start	1	End	3107
Name	OJ000350_68.0327.C8.o1.gs	Method	GENSCAN
Start	184	End	2725
GI	none	Score	.75
Exons	184..578, 744..865, 968..1128, 1209..1477, 1579..1705, 1776..1844, 1949..2141, 2233..2557, 2651..2725		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90974	Strand	-
Start	1	End	336
Name	OJ000350_68.0327.C8.o1.np	Method	AAT/NAP
Start	1	End	301
GI	121631	Score	178
Exons	1..301		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR gi\|72323\|pir\|\|KNNT2S glycine-rich protein 2 - wood tobacco gi\|19743\|emb\|CAA42622\| (X60007) nsGRP-2 [Nicotiana sylvestris]		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90974	Strand	-
Start	1	End	336
Name	OJ000350_68.0327.C8.o2.tw	Method	TBLASTX:Wheat
Start	13	End	336
GI	none	Score	111
Exons	13..189, 37..180, 182..253, 192..254, 193..270, 298..336		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90974	Strand	-
Start	1	End	336
Name	OJ000350_68.0327.C8.o2.tm	Method	TBLASTX:Maize
Start	34	End	301
GI	none	Score	135
Exons	34..189, 37..180, 182..253, 183..272, 192..254, 266..301		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90975	Strand	
Start	786	End	2548
Name	OJ000350_68.0327.C8.o1.tc	Method	TBLASTX:Cress
Start	786	End	2536
GI	none	Score	70
Exons	786..866, 954..1028, 1307..1402, 1344..1400, 1406..1483, 1417..1485, 1576..1674, 1582..1725, 1781..1846, 1947..2063, 1947..2072, 1948..2103, 2077..2145, 2233..2325, 2234..2323, 2372..2536, 2381..2509		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90975	Strand	
Start	786	End	2548
Name	OJ000350_68.0327.C8.o1.tm	Method	TBLASTX:Maize
Start	1310	End	2404
GI	none	Score	131
Exons	1310..1480, 1585..1701, 1799..1846, 1947..2081, 1948..2070, 2116..2145, 2234..2323, 2248..2313, 2336..2404		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90975	Strand	
Start	786	End	2548
Name	OJ000350_68.0327.C8.o1.ts	Method	TBLASTX:Soybean
Start	1358	End	2548
GI	none	Score	111
Exons	1358..1483, 1582..1707, 1605..1688, 1781..1846, 1947..2096, 1948..2103, 2116..2145, 2234..2323, 2336..2548		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90975	Strand	
Start	786	End	2548
Name	OJ000350_68.0327.C8.o3.tw	Method	TBLASTX:Wheat
Start	1582	End	2015
GI	none	Score	118
Exons	1582..1701, 1789..1845, 1790..1846, 1947..2015, 1948..2013		

Seq. No.	43395	Seq. ID	OJ000350_68.0327.C8
Gene No.	90975	Strand	
Start	786	End	2548
Name	OJ000350_68.0327.C8.o1.tw	Method	TBLASTX:Wheat
Start	2028	End	2391
GI	none	Score	143
Exons	2028..2144, 2029..2145, 2231..2389, 2233..2391		

Seq. No.	43396	Seq. ID	OJ000350_68.0327.C9
Gene No.	90976	Strand	-
Start	134	End	500

Name	OJ000350_68.0327.C9.o1.gs	Method	GENSCAN
Start	134	End	500
GI	none	Score	.73
Exons	134..500		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	752
GI	none	Score	34
Exons	1..33, 117..158, 118..213, 210..281, 211..282, 253..321, 291..320, 318..521, 319..492, 492..752, 497..709, 603..752		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.np	Method	AAT/NAP
Start	65	End	940
GI	4115536	Score	560
Exons	65..940		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	117	End	749
GI	none	Score	49
Exons	117..254, 223..255, 271..441, 277..441, 279..452, 488..709, 492..740, 603..749		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.gs	Method	GENSCAN
Start	142	End	956
GI	none	Score	.64
Exons	142..432, 513..956		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.tw	Method	TBLASTX:Wheat
Start	145	End	613
GI	none	Score	46
Exons	145..183, 148..225, 223..255, 253..492, 259..465, 291..521, 491..553, 492..554, 554..613, 555..611		

Seq. No.	43397	Seq. ID	OJ000350_68.0327.C10
Gene No.	90977	Strand	+
Start	65	End	956
Name	OJ000350_68.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	207	End	725
GI	none	Score	56
Exons	207..275, 211..279, 265..444, 267..443, 504..725, 506..703		

Seq. No.	43398	Seq. ID	OJ000350_68.0327.C14
Gene No.	90978	Strand	+
Start	65	End	707
Name	OJ000350_68.0327.C14.o1.gs	Method	GENSCAN
Start	65	End	707
GI	none	Score	.55
Exons	65..304, 373..435, 501..707		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90979	Strand	+
Start	248	End	2987
Name	OJ000350_68.0327.C15.o1.gs	Method	GENSCAN
Start	248	End	2987
GI	none	Score	.7
Exons	248..286, 577..1172, 1391..1448, 2880..2987		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90980	Strand	+
Start	3784	End	7151
Name	OJ000350_68.0327.C15.o2.gs	Method	GENSCAN
Start	3784	End	7151
GI	none	Score	.85
Exons	3784..3868, 3918..4256, 4364..4496, 4747..4818, 5104..5267, 5333..5622, 5712..5838, 6196..6264, 6362..6554, 6650..7151		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90981	Strand	+
Start	10250	End	16018
Name	OJ000350_68.0327.C15.o1.np	Method	AAT/NAP
Start	10250	End	16018
GI	7446445	Score	1398
Exons	10250..10296, 11184..11746, 11917..12429, 12527..12655, 12895..12979, 13060..13131, 13227..13307, 13415..13577, 13706..13945, 14034..14155, 14282..14345, 14443..14633, 14728..15031, 15929..16018		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) lrrpk - Arabidopsis thaliana gi\|4938475\|emb\|CAB43834.1\| (AL078464) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana] gi\|7269899\|emb\|CAB80992.1\| (AL161576) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana]		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90981	Strand	+
Start	10250	End	16018
Name	OJ000350_68.0327.C15.o3.gs	Method	GENSCAN
Start	11013	End	15229
GI	none	Score	.76
Exons	11013..11103, 11228..11765, 11933..12429, 12527..12665, 12908..12979, 13060..13131, 13415..13578, 13647..13939, 14028..14154, 14275..14343, 14489..14633, 14728..15229		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90981	Strand	+
Start	10250	End	16018
Name	OJ000350_68.0327.C15.o1.gp	Method	AAT/GAP

Start	13530	End	14313
GI	17918_1.R1084	Score	883
Exons	13530..13578, 13671..13939, 14028..14154, 14275..14313		
GI Descrip.	'3461839 2.0e-32 (AC005315) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o3.ts	Method	TBLASTX:Soybean
Start	616	End	11514
GI	none	Score	47
Exons	616..642, 661..756, 754..921, 786..911, 11212..11235, 11254..11349, 11347..11514, 11379..11504		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o1.tc	Method	TBLASTX:Cress
Start	618	End	15031
GI	none	Score	199
Exons	618..743, 619..825, 837..1082, 838..1092, 4151..4255, 4368..4463, 4369..4479, 4554..4640, 4590..4616, 4718..4786, 4747..4821, 4918..4998, 5102..5164, 5452..5592, 5460..5546, 5554..5628, 5709..5807, 5715..5840, 6219..6266, 6360..6479, 6361..6516, 6499..6558, 6650..6736, 6651..6740, 6789..6932, 11211..11408, 11212..11418, 11430..11648, 11431..11685, 11922..11981, 11985..12119, 12129..12227, 12324..12428, 12531..12596, 12532..12642, 12875..12964, 13060..13134, 13061..13132, 13228..13308, 13413..13475, 13769..13909, 13803..13862, 13868..13951, 13876..13950, 14025..14123, 14026..14154, 14031..14156, 14054..14155, 14298..14345, 14443..14595, 14466..14561, 14578..14637, 14728..14814, 14729..14818, 14867..15031		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o2.tw	Method	TBLASTX:Wheat
Start	769	End	11547
GI	none	Score	183
Exons	769..903, 777..902, 907..954, 907..951, 11361..11495, 11362..11496, 11500..11547, 11511..11546		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o2.tm	Method	TBLASTX:Maize
Start	4121	End	13275
GI	none	Score	103
Exons	4121..4255, 4144..4242, 4365..4478, 4366..4470, 4584..4643, 4586..4651, 4718..4789, 4747..4812, 4749..4814, 4917..4964, 4918..4965, 12294..12428, 12317..12418, 12528..12668, 12529..12660, 12908..12967, 12909..12980, 13060..13122, 13061..13132, 13227..13274, 13228..13275		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15

Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o1.tm	Method	TBLASTX:Maize
Start	5445	End	14159
GI	none	Score	202
Exons	5445..5603, 5446..5628, 5715..5840, 13762..13812, 13763..13951, 13763..13930, 13879..13941, 14023..14121, 14031..14159, 14054..14143		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o2.ts	Method	TBLASTX:Soybean
Start	5470	End	14156
GI	none	Score	92
Exons	5470..5553, 5715..5840, 13787..13870, 13868..13951, 13869..13949, 14031..14156, 14054..14155		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o3.tm	Method	TBLASTX:Maize
Start	6213	End	14832
GI	none	Score	66
Exons	6213..6266, 6360..6488, 6361..6489, 6514..6558, 6651..6743, 6680..6754, 14292..14345, 14443..14568, 14451..14567, 14593..14649, 14729..14821, 14758..14832		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o1.ts	Method	TBLASTX:Soybean
Start	6412	End	14971
GI	none	Score	116
Exons	6412..6516, 6414..6515, 6514..6558, 6522..6575, 6651..6893, 14491..14595, 14493..14594, 14593..14637, 14601..14654, 14729..14971		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o1.tw	Method	TBLASTX:Wheat
Start	6439	End	14886
GI	none	Score	152
Exons	6439..6552, 6442..6558, 6446..6556, 6501..6557, 6648..6806, 6650..6808, 14521..14637, 14523..14636, 14726..14884, 14728..14886		

Seq. No.	43399	Seq. ID	OJ000350_68.0327.C15
Gene No.	90982	Strand	-
Start	15930	End	16156
Name	OJ000350_68.0327.C15.o4.gs	Method	GENSCAN
Start	15930	End	16156
GI	none	Score	.51
Exons	15930..15944, 16115..16156		

Seq. No.	43400	Seq. ID	OJ000350_68.0327.C16

Gene No.	90983	Strand	+
Start	543	End	632
Name	OJ000350_68.0327.C16.o2.np	Method	AAT/NAP
Start	543	End	632
GI	4680183	Score	136
Exons	543..632		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43400	Seq. ID	OJ000350_68.0327.C16
Gene No.	90984	Strand	+
Start	720	End	2195
Name	OJ000350_68.0327.C16.o3.np	Method	AAT/NAP
Start	720	End	2195
GI	7248392	Score	193
Exons	720..806, 1504..1834, 1969..2195		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	43400	Seq. ID	OJ000350_68.0327.C16
Gene No.	90985	Strand	-
Start	1	End	510
Name	OJ000350_68.0327.C16.o1.np	Method	AAT/NAP
Start	1	End	510
GI	6721561	Score	82
Exons	1..57, 404..510		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90986	Strand	+
Start	121	End	1047
Name	OJ000350_68.0327.C17.o1.gs	Method	GENSCAN
Start	121	End	1047
GI	none	Score	.51
Exons	121..240, 656..733, 982..1047		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90987	Strand	+
Start	1979	End	16008
Name	OJ000350_68.0327.C17.o2.gs	Method	GENSCAN
Start	1979	End	6338
GI	none	Score	.9
Exons	1979..2967, 3105..3388, 3578..3716, 3801..3872, 4372..4532, 4640..4902, 5139..5265, 5632..5824, 5924..6338		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90987	Strand	+
Start	1979	End	16008
Name	OJ000350_68.0327.C17.o1.np	Method	AAT/NAP
Start	2118	End	16008
GI	7446445	Score	1383
Exons	2118..2950, 3105..3388, 3578..3716, 3801..3872, 3955..4026, 4204..4284, 4372..4526, 4670..4902, 5139..5274, 5467..5520, 15310..15502, 15615..16008		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) lrrpk -		

Arabidopsis thaliana gi|4938475|emb|CAB43834.1| (AL078464) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana] gi|7269899|emb|CAB80992.1| (AL161576) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana]

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90987	Strand	+
Start	1979	End	16008
Name	OJ000350_68.0327.C17.o3.gs	Method	GENSCAN
Start	8001	End	10404
GI	none	Score	.9
Exons	8001..8088, 8214..8766, 8895..9391, 10187..10404		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90988	Strand	+
Start	19796	End	20292
Name	OJ000350_68.0327.C17.o1.gp	Method	AAT/GAP
Start	19796	End	20292
GI	54371_1.R1084	Score	955
Exons	19796..20292		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90989	Strand	+
Start	21448	End	25725
Name	OJ000350_68.0327.C17.o6.gs	Method	GENSCAN
Start	21448	End	25359
GI	none	Score	.77
Exons	21448..21551, 21693..21893, 23333..23851, 24329..24632, 24758..24922, 25039..25359		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90989	Strand	+
Start	21448	End	25725
Name	OJ000350_68.0327.C17.o3.np	Method	AAT/NAP
Start	24294	End	25353
GI	7019658	Score	627
Exons	24294..24632, 24758..24922, 25039..25353		
GI Descrip.	(AL132954) putative protein [Arabidopsis thaliana]		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90989	Strand	+
Start	21448	End	25725
Name	OJ000350_68.0327.C17.o3.gp	Method	AAT/GAP
Start	25067	End	25725
GI	none	Score	1241
Exons	25067..25725		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90990	Strand	+
Start	26220	End	27930
Name	OJ000350_68.0327.C17.o7.gs	Method	GENSCAN
Start	26220	End	27854
GI	none	Score	.5
Exons	26220..26437, 26528..26738, 27062..27206, 27487..27574,		

27652..27854

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90990	Strand	+
Start	26220	End	27930
Name	OJ000350_68.0327.C17.o4.np	Method	AAT/NAP
Start	26220	End	27930
GI	7523489	Score	199
Exons	26220..26372, 27910..27930		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.tw	Method	TBLASTX:Wheat
Start	70	End	20774
GI	none	Score	117
Exons	70..165, 708..761, 738..839, 20457..20489, 20458..20628, 20532..20624, 20610..20774, 20611..20769		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o4.ts	Method	TBLASTX:Soybean
Start	2153	End	8515
GI	none	Score	58
Exons	2153..2215, 2234..2329, 2351..2500, 2365..2493, 8372..8515, 8374..8511		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.tc	Method	TBLASTX:Cress
Start	2186	End	14969
GI	none	Score	135
Exons	2186..2326, 2191..2316, 2330..2401, 2402..2671, 2416..2523, 2690..2797, 3289..3387, 3573..3668, 3577..3687, 4205..4288, 4675..4872, 4740..4868, 4831..4911, 5127..5279, 8210..8419, 8212..8409, 8431..8529, 8432..8686, 8696..8761, 8893..8994, 9286..9390, 13451..13534, 13452..13556, 13868..13906, 13870..13923, 14025..14105, 14027..14107, 14707..14784, 14709..14771, 14817..14939, 14847..14969, 14867..14959		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o3.tw	Method	TBLASTX:Wheat
Start	2353	End	8548
GI	none	Score	174
Exons	2353..2490, 2354..2482, 2476..2523, 2477..2530, 8363..8497, 8369..8440, 8371..8505, 8485..8544, 8486..8548, 8501..8545		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o4.tm	Method	TBLASTX:Maize
Start	3255	End	14072

GI	none	Score	114
Exons	3255..3377, 3256..3387, 3571..3702, 3573..3725, 3577..3738, 3582..3767, 3801..3860, 3802..3873, 3955..4026, 3956..4027, 4204..4251, 4205..4252, 9259..9390, 9279..9404, 13433..13585, 13449..13586, 13449..13580, 13707..13778, 13712..13774, 13868..13909, 13870..13923, 14024..14071, 14025..14072		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o5.tm	Method	TBLASTX:Maize
Start	4705	End	14966
GI	none	Score	196
Exons	4705..4905, 4714..4845, 4737..4904, 5127..5270, 5141..5269, 14602..14772, 14668..14769, 14691..14771, 14839..14937, 14843..14953, 14847..14966, 14849..14959		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o3.ts	Method	TBLASTX:Soybean
Start	5466	End	15933
GI	none	Score	45
Exons	5466..5522, 5631..5747, 5793..5828, 5925..6014, 6117..6239, 15308..15430, 15309..15428, 15462..15524, 15467..15502, 15615..15692, 15616..15705, 15718..15846, 15727..15933		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o3.tm	Method	TBLASTX:Maize
Start	5595	End	15911
GI	none	Score	141
Exons	5595..5768, 5793..5831, 5924..6112, 5925..6107, 6140..6208, 6150..6224, 15308..15433, 15309..15428, 15465..15506, 15616..15783, 15645..15782, 15819..15911		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o1.tc	Method	TBLASTX:Cress
Start	5630	End	15930
GI	none	Score	183
Exons	5630..5785, 5631..5786, 5793..5828, 5943..6113, 6117..6245, 15308..15463, 15309..15464, 15462..15506, 15470..15502, 15615..15929, 15616..15930		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o1.tw	Method	TBLASTX:Wheat
Start	5715	End	15773
GI	none	Score	99
Exons	5715..5828, 5922..6080, 5924..6082, 15389..15499, 15393..15506, 15396..15503, 15613..15771, 15615..15773		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17

Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.np	Method	AAT/NAP
Start	19141	End	20792
GI	3643609	Score	379
Exons	19141..19181, 20256..20792		
GI Descrip.	(AC005395) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o5.gs	Method	GENSCAN
Start	20181	End	20948
GI	none	Score	1
Exons	20181..20948		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.ts	Method	TBLASTX:Soybean
Start	20377	End	20774
GI	none	Score	40
Exons	20377..20406, 20461..20598, 20626..20769	20532..20606, 20622..20774,	

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o3.tc	Method	TBLASTX:Cress
Start	20412	End	20774
GI	none	Score	75
Exons	20412..20609, 20416..20604, 20622..20774, 20626..20772		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.gp	Method	AAT/GAP
Start	20554	End	21019
GI	54653_1.R1084	Score	900
Exons	20554..21019		
GI Descrip.	'3687237 1.0e-21 (AC005169) putative Cys3His zinc-finger protein [Arabidopsis thaliana]'		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90991	Strand	-
Start	19141	End	21019
Name	OJ000350_68.0327.C17.o2.tm	Method	TBLASTX:Maize
Start	20609	End	20939
GI	none	Score	108
Exons	20609..20713, 20610..20774, 20787..20939, 20814..20936	20611..20775, 20751..20795,	

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90992	Strand	
Start	24431	End	25389
Name	OJ000350_68.0327.C17.o1.ts	Method	TBLASTX:Soybean

Start	24431	End	25389
GI	none	Score	261
Exons	24431..24628, 24432..24632, 24746..24865, 24753..24842, 24755..24922, 24757..24921, 25036..25257, 25036..25128, 25044..25259, 25276..25389		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90992	Strand	
Start	24431	End	25389
Name	OJ000350_68.0327.C17.o4.tc	Method	TBLASTX:Cress
Start	24431	End	24832
GI	none	Score	242
Exons	24431..24631, 24435..24632, 24755..24832, 24757..24831		

Seq. No.	43401	Seq. ID	OJ000350_68.0327.C17
Gene No.	90992	Strand	
Start	24431	End	25389
Name	OJ000350_68.0327.C17.o1.tm	Method	TBLASTX:Maize
Start	24810	End	25383
GI	none	Score	168
Exons	24810..24920, 24812..24922, 25036..25362, 25036..25128, 25038..25193, 25195..25266, 25200..25274, 25278..25358, 25282..25383, 25283..25369		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90993	Strand	+
Start	751	End	1220
Name	OJ000350_68.0327.C18.o1.gp	Method	AAT/GAP
Start	751	End	1220
GI	uC-osflcyp157e11a1	Score	893
Exons	751..1220		
GI Descrip.	'4454032/emb\|CAA23029.1\| 4.0e-17 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.tm	Method	TBLASTX:Maize
Start	925	End	2860
GI	none	Score	56
Exons	925..1023, 951..1010, 1051..1215, 1053..1214, 1291..1368, 1292..1333, 1459..1599, 1459..1605, 1460..1606, 2059..2235, 2059..2238, 2060..2239, 2662..2739, 2663..2740, 2734..2820, 2783..2836, 2825..2860		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.gs	Method	GENSCAN
Start	1047	End	3538
GI	none	Score	.83
Exons	1047..1289, 1462..1603, 2060..2240, 2661..3026, 3259..3538		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.np	Method	AAT/NAP

Start	1047	End	2892
GI	7486733	Score	717
Exons	1047..1213, 1290..1359, 1462..1603, 2060..2240, 2661..2892		
GI Descrip.	hypothetical protein F9D16.100 - Arabidopsis thaliana gi\|4454032\|emb\|CAA23029.1\| (AL035394) putative protein [Arabidopsis thaliana] gi\|7269211\|emb\|CAB79318.1\| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.tc	Method	TBLASTX:Cress
Start	1053	End	2739
GI	none	Score	131
Exons	1053..1208, 1054..1212, 1288..1344, 1292..1345, 1462..1605, 1463..1606, 2059..2238, 2060..2239, 2662..2739		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.ts	Method	TBLASTX:Soybean
Start	1053	End	2847
GI	none	Score	120
Exons	1053..1223, 1054..1212, 1076..1216, 1284..1343, 1288..1344, 1459..1605, 1460..1600, 2059..2238, 2060..2239, 2662..2730, 2788..2847		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o1.tw	Method	TBLASTX:Wheat
Start	1089	End	1539
GI	none	Score	190
Exons	1089..1226, 1089..1226, 1090..1227, 1277..1336, 1278..1343, 1288..1347, 1363..1539, 1459..1539		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o2.gp	Method	AAT/GAP
Start	1500	End	2968
GI	39796_1.R1084	Score	1116
Exons	1500..1603, 2060..2240, 2661..2968		
GI Descrip.	'4454032/emb\|CAA23029.1\| 1.0e-35 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	43402	Seq. ID	OJ000350_68.0327.C18
Gene No.	90994	Strand	-
Start	1047	End	3538
Name	OJ000350_68.0327.C18.o2.tw	Method	TBLASTX:Wheat
Start	1540	End	2730
GI	none	Score	74
Exons	1540..1605, 1541..1606, 2058..2171, 2059..2238, 2060..2239, 2662..2730, 2663..2725, 2674..2727		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90995	Strand	+

Start	20	End	1981
Name	OJ000350_68.0327.C19.o1.gs	Method	GENSCAN
Start	20	End	1981
GI	none	Score	.93
Exons	20..82, 422..636, 911..971, 1292..1981		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90995	Strand	+
Start	20	End	1981
Name	OJ000350_68.0327.C19.o1.np	Method	AAT/NAP
Start	1287	End	1981
GI	3702333	Score	439
Exons	1287..1473, 1514..1626, 1654..1981		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90996	Strand	-
Start	4545	End	5306
Name	OJ000350_68.0327.C19.o1.ts	Method	TBLASTX:Soybean
Start	1673	End	1962
GI	none	Score	51
Exons	1673..1714, 1736..1915, 1753..1914, 1895..1957, 1897..1962		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90996	Strand	-
Start	4545	End	5306
Name	OJ000350_68.0327.C19.o1.tm	Method	TBLASTX:Maize
Start	1780	End	2001
GI	none	Score	309
Exons	1780..1980, 1781..1963, 1784..1993, 1786..2001		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90996	Strand	-
Start	4545	End	5306
Name	OJ000350_68.0327.C19.o1.tc	Method	TBLASTX:Cress
Start	1820	End	1965
GI	none	Score	192
Exons	1820..1963, 1834..1965		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90996	Strand	-
Start	4545	End	5306
Name	OJ000350_68.0327.C19.o2.gs	Method	GENSCAN
Start	4545	End	5306
GI	none	Score	.9
Exons	4545..5306		

Seq. No.	43403	Seq. ID	OJ000350_68.0327.C19
Gene No.	90996	Strand	-
Start	4545	End	5306
Name	OJ000350_68.0327.C19.o2.np	Method	AAT/NAP
Start	4578	End	5261
GI	3702334	Score	275
Exons	4578..5261		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21

Gene No.	90997	Strand	+
Start	7988	End	9325
Name	OJ000350_68.0327.C21.o4.gs	Method	GENSCAN
Start	7988	End	9325
GI	none	Score	.7
Exons	7988..8100, 8312..8438, 8468..8560, 9299..9325		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	90998	Strand	+
Start	11822	End	16171
Name	OJ000350_68.0327.C21.o1.np	Method	AAT/NAP
Start	11822	End	16171
GI	7444451	Score	4686
Exons	11822..16171		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	90999	Strand	-
Start	3330	End	4748
Name	OJ000350_68.0327.C21.o2.gs	Method	GENSCAN
Start	3330	End	4748
GI	none	Score	.93
Exons	3330..4748		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91000	Strand	-
Start	6131	End	7549
Name	OJ000350_68.0327.C21.o3.gs	Method	GENSCAN
Start	6131	End	7549
GI	none	Score	1
Exons	6131..7549		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91001	Strand	-
Start	10935	End	11681
Name	OJ000350_68.0327.C21.o5.gs	Method	GENSCAN
Start	10935	End	11681
GI	none	Score	.95
Exons	10935..11613, 11677..11681		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91002	Strand	-
Start	16385	End	17206
Name	OJ000350_68.0327.C21.o7.gs	Method	GENSCAN
Start	16385	End	17206
GI	none	Score	.98
Exons	16385..17206		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91003	Strand	-
Start	17232	End	18330
Name	OJ000350_68.0327.C21.o1.gp	Method	AAT/GAP
Start	17232	End	18330
GI	4107143	Score	2118
Exons	17232..18330		

GI Descrip. 5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o8.tw	Method	TBLASTX:Wheat
Start	1112	End	7538
GI	none	Score	183
Exons	1112..1318, 1114..1239, 1118..1318, 4549..4575, 4641..4724, 4674..4736, 7424..7537, 7425..7538		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o1.tm	Method	TBLASTX:Maize
Start	1121	End	17038
GI	none	Score	74
Exons	1121..1228, 1122..1214, 1286..1327, 1430..1636, 1431..1673, 1585..1680, 1766..1834, 1796..1867, 1797..1868, 1839..1907, 1877..1906, 1904..2281, 1905..2339, 3396..3533, 3513..3803, 3541..3783, 3615..3812, 3840..3959, 3844..3960, 3957..4004, 3958..3987, 3993..4070, 4020..4055, 4068..4430, 4202..4270, 4314..4430, 4455..4517, 4537..4740, 4545..4748, 6197..6334, 6314..6604, 6342..6584, 6416..6613, 6641..6808, 6645..6761, 6767..6850, 6869..6958, 7043..7231, 7116..7175, 7256..7318, 7257..7319, 7346..7558, 7347..7541, 10983..11159, 11130..11432, 11131..11367, 11208..11396, 11348..11428, 11442..11528, 11443..11511, 11532..11579, 11533..11580, 16394..16414, 16451..16483, 16520..16591, 16661..16867, 16961..17038		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o1.tw	Method	TBLASTX:Wheat
Start	1416	End	16870
GI	none	Score	446
Exons	1416..1730, 1430..1726, 4137..4268, 4204..4269, 4270..4323, 4302..4451, 4305..4451, 6936..7070, 6938..7069, 7106..7252, 16664..16870		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o1.tc	Method	TBLASTX:Cress
Start	1428	End	11577
GI	none	Score	98
Exons	1428..1577, 1605..1793, 1818..1850, 1851..2078, 1883..2077, 2058..2207, 2069..2206, 3672..3803, 3673..3783, 3838..3981, 3840..4031, 4074..4262, 4314..4439, 4542..4637, 4674..4751, 6473..6604, 6474..6584, 6639..6782, 6641..6787, 6866..7063, 7094..7240, 7424..7555, 11259..11402, 11260..11367, 11442..11528, 11443..11529, 11532..11576, 11533..11577		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445

Name	OJ000350_68.0327.C21.o1.ts	Method	TBLASTX:Soybean
Start	1428	End	16870
GI	none	Score	91
Exons	1428..1553, 1602..1757, 1812..1841, 1877..2029, 1881..2030, 2067..2321, 2075..2278, 2379..2501, 3399..3794, 3586..3783, 3838..3987, 3840..3983, 4089..4253, 4090..4254, 4314..4433, 4317..4430, 6200..6595, 6324..6584, 6639..6803, 6641..6784, 6890..7063, 6891..7055, 7115..7234, 10962..11123, 11145..11411, 11185..11367, 11431..11529, 11442..11528, 11530..11577, 16640..16702, 16712..16870, 16721..16870		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o6.tw	Method	TBLASTX:Wheat
Start	1734	End	16564
GI	none	Score	43
Exons	1734..1811, 1809..1841, 1839..2120, 1875..2051, 1877..2089, 2079..2141, 2141..2200, 2142..2198, 3681..3737, 3739..3783, 3741..3785, 3838..3987, 3840..3983, 4026..4058, 4030..4059, 4056..4133, 6482..6538, 6540..6581, 6542..6586, 6639..6788, 6641..6784, 6860..6934, 11266..11322, 11268..11321, 11326..11367, 11328..11372, 11388..11528, 11443..11511, 16373..16414, 16451..16504, 16520..16564		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o4.tm	Method	TBLASTX:Maize
Start	11900	End	12346
GI	none	Score	117
Exons	11900..12025, 11911..12024, 12037..12339, 12044..12346		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o7.tw	Method	TBLASTX:Wheat
Start	12167	End	12400
GI	none	Score	204
Exons	12167..12400, 12208..12387		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o3.tw	Method	TBLASTX:Wheat
Start	12718	End	13099
GI	none	Score	377
Exons	12718..12813, 12749..13099, 12767..13090		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o7.tm	Method	TBLASTX:Maize
Start	12809	End	13099
GI	none	Score	244
Exons	12809..13099, 12809..13081		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o5.ts	Method	TBLASTX:Soybean
Start	13190	End	13603
GI	none	Score	89
Exons	13190..13291, 13301..13408, 13424..13603		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o2.tc	Method	TBLASTX:Cress
Start	13598	End	14236
GI	none	Score	350
Exons	13598..14062, 13610..13960, 14090..14236		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o4.ts	Method	TBLASTX:Soybean
Start	13625	End	14044
GI	none	Score	266
Exons	13625..14044		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o6.tm	Method	TBLASTX:Maize
Start	13711	End	14047
GI	none	Score	278
Exons	13711..13893, 13718..14047		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o5.tw	Method	TBLASTX:Wheat
Start	13715	End	14055
GI	none	Score	276
Exons	13715..14053, 13853..13924, 13942..14055		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o3.ts	Method	TBLASTX:Soybean
Start	14615	End	15145
GI	5509260	Score	407
Exons	14615..14896, 14642..15145, 14764..14928, 14968..15132		
GI Descrip.	-		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o8.tm	Method	TBLASTX:Maize
Start	14668	End	14938
GI	none	Score	223
Exons	14668..14898, 14669..14938		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o3.tc	Method	TBLASTX:Cress
Start	14757	End	15028
GI	none	Score	282
Exons	14757..14849, 14758..15009, 14759..15028, 14762..15019		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o4.tw	Method	TBLASTX:Wheat
Start	14809	End	15322
GI	none	Score	294
Exons	14809..15102, 14810..15154, 14825..15118, 15146..15322		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o3.tm	Method	TBLASTX:Maize
Start	14942	End	15382
GI	none	Score	394
Exons	14942..15382, 14950..15117, 15148..15261, 15295..15342		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o5.tc	Method	TBLASTX:Cress
Start	15206	End	15457
GI	none	Score	192
Exons	15206..15451, 15224..15457		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o2.tw	Method	TBLASTX:Wheat
Start	15323	End	15760
GI	none	Score	440
Exons	15323..15760, 15325..15645, 15718..15759		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o5.tm	Method	TBLASTX:Maize
Start	15437	End	15688
GI	none	Score	280
Exons	15437..15688, 15442..15651		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o2.ts	Method	TBLASTX:Soybean
Start	15524	End	16120
GI	none	Score	505
Exons	15524..16120, 15526..15651, 15718..16119		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21

Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o2.tm	Method	TBLASTX:Maize
Start	15691	End	16114
GI	none	Score	159
Exons	15691..15825, 15692..15820, 15826..16065, 15827..16114		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o4.tc	Method	TBLASTX:Cress
Start	15698	End	16147
GI	none	Score	67
Exons	15698..15787, 15797..15913, 15826..15912, 15952..16140, 15953..16147		

Seq. No.	43404	Seq. ID	OJ000350_68.0327.C21
Gene No.	91004	Strand	-
Start	18984	End	20445
Name	OJ000350_68.0327.C21.o8.gs	Method	GENSCAN
Start	18984	End	20445
GI	none	Score	.52
Exons	18984..19069, 20129..20445		

Seq. No.	43405	Seq. ID	OJ000350_54.0310.C5
Gene No.	91005	Strand	-
Start	1602	End	2112
Name	OJ000350_54.0310.C5.o1.gs	Method	GENSCAN
Start	1602	End	2112
GI	none	Score	.49
Exons	1602..1692, 2076..2112		

Seq. No.	43406	Seq. ID	OJ000350_54.0310.C6
Gene No.	91006	Strand	+
Start	589	End	816
Name	OJ000350_54.0310.C6.o1.gs	Method	GENSCAN
Start	589	End	816
GI	none	Score	.56
Exons	589..816		

Seq. No.	43407	Seq. ID	OJ000350_54.0310.C7
Gene No.	91007	Strand	-
Start	1104	End	1263
Name	OJ000350_54.0310.C7.o1.gs	Method	GENSCAN
Start	1104	End	1263
GI	none	Score	.53
Exons	1104..1263		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91008	Strand	-
Start	2672	End	10685
Name	OJ000350_54.0310.C8.o1.gs	Method	GENSCAN
Start	2672	End	10685
GI	none	Score	.84
Exons	2672..2712, 3728..3852, 3937..4001, 4884..4992, 5823..5968, 7939..8044, 8725..8801, 10169..10255, 10476..10685		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91008	Strand	-
Start	2672	End	10685
Name	OJ000350_54.0310.C8.o1.gp	Method	AAT/GAP
Start	3443	End	8819
GI	none	Score	1900
Exons	3443..3852, 3937..4001, 4884..4992, 5823..5968, 6171..6236, 7324..7416, 7939..8044, 8725..8819		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91009	Strand	-
Start	10621	End	10760
Name	OJ000350_54.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	3691	End	4033
GI	none	Score	253
Exons	3691..3855, 3692..3850, 3696..3854, 3936..4004, 3937..4002, 3953..4033		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91009	Strand	-
Start	10621	End	10760
Name	OJ000350_54.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	3702	End	4994
GI	none	Score	157
Exons	3702..3854, 3703..3870, 3934..4005, 3936..4007, 4884..4925, 4920..4994		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91009	Strand	-
Start	10621	End	10760
Name	OJ000350_54.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	4892	End	7398
GI	none	Score	146
Exons	4892..4993, 4893..4994, 4898..4993, 5792..5974, 5816..5971, 6171..6242, 6171..6242, 6172..6243, 7322..7393, 7323..7397, 7324..7398, 7324..7398		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91009	Strand	-
Start	10621	End	10760
Name	OJ000350_54.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	5822	End	8807
GI	none	Score	154
Exons	5822..5971, 5823..5972, 6171..6242, 6175..6237, 7324..7425, 7937..8041, 7939..8046, 8722..8802, 8727..8807		

Seq. No.	43408	Seq. ID	OJ000350_54.0310.C8
Gene No.	91009	Strand	-
Start	10621	End	10760
Name	OJ000350_54.0310.C8.o2.gp	Method	AAT/GAP
Start	10621	End	10760
GI	none	Score	244
Exons	10621..10760		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91010	Strand	+
Start	2358	End	2714

Name	OJ000350_54.0310.C9.o2.gp	Method	AAT/GAP
Start	2358	End	2714
GI	none	Score	706
Exons	2358..2714		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91011	Strand	-
Start	596	End	842
Name	OJ000350_54.0310.C9.o1.np	Method	AAT/NAP
Start	596	End	842
GI	7340924	Score	77
Exons	596..842		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o2.np	Method	AAT/NAP
Start	2603	End	6165
GI	6562281	Score	412
Exons	2603..3167, 3276..3392, 3531..3754, 4180..4242, 4652..4726, 5082..5643, 5965..6165		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o2.gs	Method	GENSCAN
Start	2621	End	8891
GI	none	Score	.68
Exons	2621..3410, 3531..3754, 4180..4355, 5142..6275, 8160..8279, 8526..8604, 8667..8891		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	2633	End	3758
GI	none	Score	63
Exons	2633..3145, 2688..2783, 2923..2973, 3039..3143, 3052..3165, 3108..3401, 3116..3430, 3152..3409, 3530..3628, 3539..3748, 3543..3758		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	3134	End	3370
GI	none	Score	144
Exons	3134..3370, 3135..3365		

Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	3525	End	3722
GI	none	Score	156

Exons	3525..3722, 3530..3721		
Seq. No.	43409	Seq. ID	OJ000350_54.0310.C9
Gene No.	91012	Strand	-
Start	2621	End	8891
Name	OJ000350_54.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	4173	End	5184
GI	none	Score	56
Exons	4173..4277, 4179..4328, 4180..4356, 4289..4357, 5113..5184		
Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o1.np	Method	AAT/NAP
Start	86	End	4650
GI	6815097	Score	3733
Exons	86..956, 1329..1941, 2056..3750, 3886..4650		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o1.gs	Method	GENSCAN
Start	558	End	3123
GI	none	Score	.53
Exons	558..692, 1236..2071, 2403..2509, 2811..3123		
Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o2.gs	Method	GENSCAN
Start	3460	End	11686
GI	none	Score	.5
Exons	3460..4235, 5245..5384, 8342..8515, 8576..8658, 9256..9869, 9953..10055, 10163..10301, 10715..10992, 11522..11686		
Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o2.np	Method	AAT/NAP
Start	9236	End	11703
GI	4512018	Score	1150
Exons	9236..9672, 9745..9869, 9953..10055, 10163..10301, 10715..10992, 11522..11703		
GI Descrip.	(AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		
Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o1.gp	Method	AAT/GAP
Start	9531	End	10029
GI	LIB3431-015-P1-K1-C7	Score	600
Exons	9531..9672, 9745..9869, 9953..10029		
GI Descrip.	'1532135 6.0e-32 (U49442) chloroplast mRNA-binding protein CSP41 precursor [Spinacia oleracea]'		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91013	Strand	+
Start	86	End	11703
Name	OJ000350_54.0310.C10.o2.gp	Method	AAT/GAP
Start	10707	End	10992
GI	702014	Score	485
Exons	10707..10992		
GI Descrip.	4512018/gb\|AAD21574.1\| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	4608	End	4801
GI	none	Score	228
Exons	4608..4799, 4612..4800, 4685..4801		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o5.tm	Method	TBLASTX:Maize
Start	9358	End	9654
GI	none	Score	39
Exons	9358..9414, 9511..9654, 9523..9651		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	9510	End	9689
GI	none	Score	241
Exons	9510..9689, 9511..9672		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	9510	End	9777
GI	none	Score	241
Exons	9510..9695, 9511..9672, 9745..9777		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	9820	End	10246
GI	none	Score	91
Exons	9820..9879, 9945..10055, 9950..10057, 9951..10055, 10162..10215, 10163..10216, 10223..10246, 10229..10246		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	10025	End	11680

GI	none	Score	56
Exons	10025..10057, 10026..10055, 10162..10320, 10163..10321, 10707..10988, 10708..10986, 11522..11680, 11524..11679		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o2.tc	Method	TBLASTX:Cress
Start	10924	End	11680
GI	none	Score	103
Exons	10924..10992, 11521..11679, 11522..11680		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o3.gp	Method	AAT/GAP
Start	12633	End	16252
GI	29810_1.R1084	Score	1496
Exons	12633..13010, 14016..14099, 14547..14664, 15993..16252		
GI Descrip.	'4512018/gb\|AAD21574.1\| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]'		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o3.np	Method	AAT/NAP
Start	12731	End	16081
GI	4220481	Score	228
Exons	12731..13010, 14016..14099, 14547..14664, 15993..16081		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o3.gs	Method	GENSCAN
Start	12735	End	17210
GI	none	Score	.88
Exons	12735..13010, 14016..14099, 14547..14664, 15586..15628, 15993..16118, 17144..17210		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	12760	End	16063
GI	none	Score	160
Exons	12760..13026, 12765..13004, 12905..13036, 14016..14099, 14540..14662, 14546..14662, 14547..14663, 14547..14672, 14551..14664, 15992..16063, 15995..16063		

Seq. No.	43410	Seq. ID	OJ000350_54.0310.C10
Gene No.	91014	Strand	-
Start	12735	End	17210
Name	OJ000350_54.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	12777	End	14663
GI	none	Score	44
Exons	12777..12830, 12777..13010, 12781..12963, 12903..12977,		

12905..13036, 14016..14099, 14547..14648, 14548..14607, 14643..14663

Seq. No.	43411	Seq. ID	OJ000350_54.0310.C11
Gene No.	91015	Strand	+
Start	1432	End	2205
Name	OJ000350_54.0310.C11.o1.gs	Method	GENSCAN
Start	1432	End	2205
GI	none	Score	.54
Exons	1432..1567, 2116..2205		

Seq. No.	43412	Seq. ID	OJ000350_54.0310.C12
Gene No.	91016	Strand	+
Start	753	End	4701
Name	OJ000350_54.0310.C12.o1.np	Method	AAT/NAP
Start	753	End	4701
GI	5902444	Score	369
Exons	753..1179, 4617..4701		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43412	Seq. ID	OJ000350_54.0310.C12
Gene No.	91017	Strand	-
Start	1687	End	5324
Name	OJ000350_54.0310.C12.o1.gp	Method	AAT/GAP
Start	1687	End	2073
GI	2799714	Score	391
Exons	1687..1824, 1914..2073		

Seq. No.	43412	Seq. ID	OJ000350_54.0310.C12
Gene No.	91017	Strand	-
Start	1687	End	5324
Name	OJ000350_54.0310.C12.o2.gs	Method	GENSCAN
Start	1861	End	5324
GI	none	Score	.89
Exons	1861..2151, 2234..2281, 2484..2516, 2626..2685, 2999..3061, 3305..3370, 3667..3732, 4100..4183, 4276..4344, 4435..4779, 4863..4958, 5052..5144, 5313..5324		

Seq. No.	43412	Seq. ID	OJ000350_54.0310.C12
Gene No.	91017	Strand	-
Start	1687	End	5324
Name	OJ000350_54.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	1913	End	2154
GI	none	Score	118
Exons	1913..2152, 1921..2154		

Seq. No.	43412	Seq. ID	OJ000350_54.0310.C12
Gene No.	91017	Strand	-
Start	1687	End	5324
Name	OJ000350_54.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	4720	End	5298
GI	none	Score	44
Exons	4720..4773, 4721..4771, 4860..4958, 4861..4959, 5041..5148, 5052..5147, 5254..5298		

Seq. No.	43413	Seq. ID	OJ000350_54.0310.C13
Gene No.	91018	Strand	-

Start	93	End	5132
Name	OJ000350_54.0310.C13.o1.gs	Method	GENSCAN
Start	93	End	592
GI	none	Score	.75
Exons	93..224, 331..592		

Seq. No.	43413	Seq. ID	OJ000350_54.0310.C13
Gene No.	91018	Strand	-
Start	93	End	5132
Name	OJ000350_54.0310.C13.o2.gs	Method	GENSCAN
Start	1064	End	5125
GI	none	Score	.61
Exons	1064..1360, 4366..4614, 4623..5015, 5087..5125		

Seq. No.	43413	Seq. ID	OJ000350_54.0310.C13
Gene No.	91018	Strand	-
Start	93	End	5132
Name	OJ000350_54.0310.C13.o1.np	Method	AAT/NAP
Start	3176	End	5132
GI	5732031	Score	280
Exons	3176..3274, 4490..4990, 5074..5132		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	43413	Seq. ID	OJ000350_54.0310.C13
Gene No.	91018	Strand	-
Start	93	End	5132
Name	OJ000350_54.0310.C13.o1.tm	Method	TBLASTX:Maize
Start	4731	End	5110
GI	none	Score	188
Exons	4731..5015, 4740..5018, 5075..5110		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91019	Strand	+
Start	123	End	8341
Name	OJ000350_54.0310.C14.o1.gs	Method	GENSCAN
Start	123	End	8341
GI	none	Score	.59
Exons	123..237, 3111..3244, 3922..4124, 4163..4302, 4359..4468, 4750..4799, 5306..5456, 5614..5647, 5791..5990, 6101..6219, 6394..6528, 6600..6724, 6729..7490, 7608..7753, 7887..8341		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91019	Strand	+
Start	123	End	8341
Name	OJ000350_54.0310.C14.o2.np	Method	AAT/NAP
Start	6274	End	7491
GI	6721561	Score	964
Exons	6274..6528, 6600..6662, 6733..7491		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91020	Strand	+
Start	15718	End	17203

Name	OJ000350_54.0310.C14.o4.gs	Method	GENSCAN
Start	15718	End	17203
GI	none	Score	.5
Exons	15718..15749, 15792..15898, 16125..16711, 16745..17203		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91021	Strand	+
Start	20910	End	23957
Name	OJ000350_54.0310.C14.o4.np	Method	AAT/NAP
Start	20910	End	23957
GI	5902445	Score	4489
Exons	20910..23957		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91022	Strand	-
Start	112	End	2953
Name	OJ000350_54.0310.C14.o1.np	Method	AAT/NAP
Start	112	End	2953
GI	5911167	Score	1489
Exons	112..241, 340..2478, 2882..2953		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91023	Strand	-
Start	8952	End	15360
Name	OJ000350_54.0310.C14.o2.gs	Method	GENSCAN
Start	8952	End	11884
GI	none	Score	.84
Exons	8952..9639, 9663..10340, 10419..11884		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91023	Strand	-
Start	8952	End	15360
Name	OJ000350_54.0310.C14.o3.np	Method	AAT/NAP
Start	8955	End	15360
GI	7228457	Score	3159
Exons	8955..10492, 10559..12222, 12276..13831, 15291..15360		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91023	Strand	-
Start	8952	End	15360
Name	OJ000350_54.0310.C14.o3.gs	Method	GENSCAN
Start	12148	End	15295
GI	none	Score	.49
Exons	12148..12734, 12840..13017, 13368..14821, 14860..15295		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91024	Strand	-
Start	17980	End	18814
Name	OJ000350_54.0310.C14.o5.gs	Method	GENSCAN
Start	17980	End	18814
GI	none	Score	.82
Exons	17980..18484, 18804..18814		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o7.tw	Method	TBLASTX:Wheat
Start	125	End	689
GI	none	Score	66
Exons	125..244, 127..258, 336..689		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o3.tm	Method	TBLASTX:Maize
Start	339	End	785
GI	none	Score	65
Exons	339..485, 339..785, 340..783		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o2.ts	Method	TBLASTX:Soybean
Start	351	End	752
GI	none	Score	74
Exons	351..590, 352..471, 595..705, 600..752		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o5.ts	Method	TBLASTX:Soybean
Start	1075	End	1314
GI	none	Score	87
Exons	1075..1314, 1097..1312		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o4.tm	Method	TBLASTX:Maize
Start	1144	End	1597
GI	none	Score	115
Exons	1144..1341, 1145..1339, 1354..1587, 1438..1587, 1451..1597		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o8.tw	Method	TBLASTX:Wheat
Start	1357	End	1644
GI	none	Score	109
Exons	1357..1644, 1451..1633		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	1432	End	1783
GI	none	Score	57
Exons	1432..1653, 1451..1591, 1675..1764, 1709..1783		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o4.ts	Method	TBLASTX:Soybean
Start	1819	End	2055
GI	none	Score	197
Exons	1819..2055		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o3.tw	Method	TBLASTX:Wheat
Start	8964	End	23948
GI	none	Score	70
Exons	8964..9095, 8965..9090, 9120..9572, 9316..9393, 9472..9558, 23334..23792, 23369..23443, 23489..23596, 23811..23948		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o6.tm	Method	TBLASTX:Maize
Start	9000	End	23909
GI	none	Score	48
Exons	9000..9083, 9034..9090, 9084..9200, 9084..9266, 23646..23828, 23807..23905, 23811..23909		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o9.tm	Method	TBLASTX:Maize
Start	9348	End	23564
GI	none	Score	89
Exons	9348..9431, 9447..9527, 9522..9620, 23291..23389, 23292..23390, 23381..23455, 23385..23468, 23478..23564		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o4.tw	Method	TBLASTX:Wheat
Start	9695	End	23219
GI	none	Score	193
Exons	9695..10078, 9696..10070, 22832..23143, 22833..23219, 23034..23207, 23174..23218		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	9773	End	23153
GI	none	Score	179
Exons	9773..10078, 9774..10061, 22823..23152, 22827..23153		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o10.tw	Method	TBLASTX:Wheat
Start	10283	End	22664

GI	none	Score	67
Exons	10283..10537, 10410..10535, 22374..22664, 22433..22645		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o3.ts	Method	TBLASTX:Soybean
Start	10490	End	22469
GI	none	Score	86
Exons	10490..10729, 10739..10864, 22089..22187, 22091..22177, 22226..22309, 22227..22469		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o6.tw	Method	TBLASTX:Wheat
Start	10580	End	22373
GI	none	Score	53
Exons	10580..10651, 10580..10753, 10761..10988, 10763..10987, 21965..22183, 21966..22196, 21981..22190, 22226..22372, 22227..22373		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o5.tm	Method	TBLASTX:Maize
Start	10985	End	21944
GI	none	Score	132
Exons	10985..11011, 11063..11137, 11156..11410, 11178..11411, 21524..21778, 21525..21779, 21771..21944, 21800..21883		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	11078	End	21857
GI	none	Score	86
Exons	11078..11503, 11319..11444, 21438..21857, 21473..21598, 21653..21784		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o2.tw	Method	TBLASTX:Wheat
Start	11133	End	21802
GI	none	Score	244
Exons	11133..11447, 11135..11557, 11153..11506, 21377..21448, 21446..21802, 21447..21788		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o7.tm	Method	TBLASTX:Maize
Start	11411	End	21524
GI	none	Score	137
Exons	11411..11638, 21296..21448, 21438..21524		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o2.tm	Method	TBLASTX:Maize
Start	11642	End	21292
GI	none	Score	202
Exons	11642..11998, 11643..11936, 21026..21172, 21027..21179, 21182..21292		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o1.tw	Method	TBLASTX:Wheat
Start	11672	End	21262
GI	none	Score	311
Exons	11672..12127, 11673..12119, 11687..12127, 20855..21214, 20856..21176, 21182..21262		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o5.tw	Method	TBLASTX:Wheat
Start	12319	End	20629
GI	none	Score	149
Exons	12319..12555, 12329..12553, 12592..12774, 12665..12766, 16064..16126, 20198..20287, 20199..20363, 20397..20627, 20399..20629		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o9.tw	Method	TBLASTX:Wheat
Start	13410	End	16533
GI	none	Score	90
Exons	13410..13670, 13411..13638, 13644..13757, 13696..13746, 13758..13808, 16178..16225, 16229..16318, 16309..16533, 16310..16531		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o8.tm	Method	TBLASTX:Maize
Start	13524	End	16456
GI	none	Score	145
Exons	13524..13763, 16202..16456		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-
Start	24276	End	25458
Name	OJ000350_54.0310.C14.o7.gs	Method	GENSCAN
Start	24276	End	25413
GI	none	Score	.72
Exons	24276..24614, 24645..24721, 24800..24901, 24972..25161, 25231..25413		

Seq. No.	43414	Seq. ID	OJ000350_54.0310.C14
Gene No.	91025	Strand	-

Start	24276	End	25458
Name	OJ000350_54.0310.C14.o5.np	Method	AAT/NAP
Start	24282	End	25458
GI	6691716	Score	880
Exons	24282..24721, 24800..24911, 25060..25161, 25231..25458		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43415	Seq. ID	OJ000350_54.0310.C15
Gene No.	91026	Strand	-
Start	1	End	1593
Name	OJ000350_54.0310.C15.o1.np	Method	AAT/NAP
Start	1	End	1593
GI	6691716	Score	1305
Exons	1..295, 366..529, 709..1593		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43415	Seq. ID	OJ000350_54.0310.C15
Gene No.	91026	Strand	-
Start	1	End	1593
Name	OJ000350_54.0310.C15.o1.gs	Method	GENSCAN
Start	51	End	1593
GI	none	Score	.74
Exons	51..295, 366..574, 709..890, 1464..1593		

Seq. No.	43415	Seq. ID	OJ000350_54.0310.C15
Gene No.	91026	Strand	-
Start	1	End	1593
Name	OJ000350_54.0310.C15.o1.tw	Method	TBLASTX:Wheat
Start	1183	End	1473
GI	none	Score	188
Exons	1183..1473		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91027	Strand	+
Start	1418	End	9892
Name	OJ000350_54.0310.C16.o1.gs	Method	GENSCAN
Start	1418	End	9892
GI	none	Score	.46
Exons	1418..1782, 1839..1894, 2560..3119, 3170..4033, 4717..6052, 6099..7192, 7373..7466, 7471..7543, 8404..8524, 8829..9173, 9275..9892		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91027	Strand	+
Start	1418	End	9892
Name	OJ000350_54.0310.C16.o1.np	Method	AAT/NAP
Start	4789	End	7861
GI	6630685	Score	4492
Exons	4789..4860, 5151..7861		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16

Gene No.	91028	Strand	-
Start	10782	End	11349
Name	OJ000350_54.0310.C16.o2.gs	Method	GENSCAN
Start	10782	End	11349
GI	none	Score	.5
Exons	10782..11039, 11248..11349		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91029	Strand	-
Start	12359	End	13461
Name	OJ000350_54.0310.C16.o2.np	Method	AAT/NAP
Start	12359	End	13461
GI	6815053	Score	612
Exons	12359..12597, 12643..12817, 13315..13461		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o4.ts	Method	TBLASTX:Soybean
Start	2667	End	4881
GI	none	Score	73
Exons	2667..2774, 2778..3113, 4617..4664, 4674..4715, 4726..4869, 4819..4881		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o3.tw	Method	TBLASTX:Wheat
Start	2670	End	3065
GI	none	Score	247
Exons	2670..2765, 2672..2770, 2673..3065		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o6.tm	Method	TBLASTX:Maize
Start	4622	End	4962
GI	none	Score	90
Exons	4622..4696, 4623..4694, 4708..4947, 4720..4962, 4725..4961		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o5.tw	Method	TBLASTX:Wheat
Start	4741	End	5055
GI	none	Score	227
Exons	4741..5055, 4741..4782, 4830..4955		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o4.tm	Method	TBLASTX:Maize
Start	4963	End	5358
GI	none	Score	147
Exons	4963..5091, 4971..5078, 5082..5357, 5086..5358		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o1.tw	Method	TBLASTX:Wheat
Start	5122	End	5694
GI	none	Score	279
Exons	5122..5370, 5130..5354, 5292..5399, 5294..5422, 5381..5425, 5406..5486, 5410..5694, 5422..5691, 5568..5693		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o2.tm	Method	TBLASTX:Maize
Start	5359	End	6111
GI	none	Score	111
Exons	5359..5430, 5364..5432, 5428..5601, 5431..6042, 5556..6014, 5662..6036, 6082..6111		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o3.ts	Method	TBLASTX:Soybean
Start	5539	End	5985
GI	none	Score	310
Exons	5539..5985, 5559..5849, 5874..5984		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o1.tc	Method	TBLASTX:Cress
Start	5575	End	5991
GI	none	Score	212
Exons	5575..5991		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o4.tw	Method	TBLASTX:Wheat
Start	5782	End	6021
GI	none	Score	133
Exons	5782..5871, 5784..5858, 5860..6021, 5871..6014		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o5.tm	Method	TBLASTX:Maize
Start	6196	End	6519
GI	none	Score	103
Exons	6196..6321, 6202..6519, 6203..6517		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o1.ts	Method	TBLASTX:Soybean
Start	6226	End	6832
GI	5509260	Score	243
Exons	6226..6441, 6227..6442, 6451..6825, 6452..6832, 6635..6832		

GI Descrip. -

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o2.tw	Method	TBLASTX:Wheat
Start	6368	End	6820
GI	none	Score	86
Exons	6368..6442, 6436..6471, 6463..6618, 6475..6807, 6479..6820		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o2.tc	Method	TBLASTX:Cress
Start	6434	End	6715
GI	none	Score	202
Exons	6434..6715		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o3.tm	Method	TBLASTX:Maize
Start	6636	End	7072
GI	none	Score	627
Exons	6636..7043, 6637..7068, 6638..7072		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	7187	End	7890
GI	none	Score	958
Exons	7187..7882, 7195..7890, 7195..7875, 7535..7879, 7779..7880		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o2.ts	Method	TBLASTX:Soybean
Start	7205	End	7846
GI	none	Score	271
Exons	7205..7594, 7429..7593, 7606..7698, 7613..7846		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o6.tw	Method	TBLASTX:Wheat
Start	7343	End	7810
GI	none	Score	100
Exons	7343..7603, 7622..7810		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o3.gs	Method	GENSCAN
Start	15054	End	16879
GI	none	Score	.45
Exons	15054..15113, 16547..16572, 16577..16659, 16674..16879		

Seq. No.	43416	Seq. ID	OJ000350_54.0310.C16
Gene No.	91030	Strand	-
Start	15054	End	16879
Name	OJ000350_54.0310.C16.o3.np	Method	AAT/NAP
Start	15560	End	15686
GI	6721561	Score	90
Exons	15560..15686		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43417	Seq. ID	OJ000350_54.0310.C17
Gene No.	91031	Strand	-
Start	1	End	1337
Name	OJ000350_54.0310.C17.o1.np	Method	AAT/NAP
Start	1	End	647
GI	5305335	Score	118
Exons	1..647		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	43417	Seq. ID	OJ000350_54.0310.C17
Gene No.	91031	Strand	-
Start	1	End	1337
Name	OJ000350_54.0310.C17.o1.gs	Method	GENSCAN
Start	94	End	1337
GI	none	Score	.73
Exons	94..241, 361..475, 1113..1337		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91032	Strand	+
Start	609	End	8297
Name	OJ000350_54.0310.C18.o1.np	Method	AAT/NAP
Start	609	End	1316
GI	7248393	Score	423
Exons	609..992, 1032..1316		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91032	Strand	+
Start	609	End	8297
Name	OJ000350_54.0310.C18.o1.gs	Method	GENSCAN
Start	837	End	7400
GI	none	Score	.6
Exons	837..1514, 1639..2061, 2404..3965, 4081..4181, 4278..4812, 5009..5516, 5604..7088, 7119..7400		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91032	Strand	+
Start	609	End	8297
Name	OJ000350_54.0310.C18.o2.np	Method	AAT/NAP
Start	3439	End	7129
GI	7248394	Score	1838
Exons	3439..4361, 4629..5673, 7054..7129		

GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91032	Strand	+
Start	609	End	8297
Name	OJ000350_54.0310.C18.o3.np	Method	AAT/NAP
Start	6277	End	8297
GI	629693	Score	568
Exons	6277..7382, 8253..8297		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91033	Strand	+
Start	9831	End	12666
Name	OJ000350_54.0310.C18.o4.np	Method	AAT/NAP
Start	9831	End	12666
GI	5042463	Score	87
Exons	9831..9858, 11507..11720, 12384..12536, 12587..12666		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91034	Strand	-
Start	7733	End	14347
Name	OJ000350_54.0310.C18.o2.gs	Method	GENSCAN
Start	7733	End	14347
GI	none	Score	.86
Exons	7733..8413, 8492..8608, 8808..9230, 9421..9637, 9718..9998, 10226..10768, 10858..10944, 11822..11866, 14285..14347		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o6.ts	Method	TBLASTX:Soybean
Start	3583	End	3921
GI	none	Score	196
Exons	3583..3921		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o5.ts	Method	TBLASTX:Soybean
Start	4331	End	4696
GI	none	Score	138
Exons	4331..4555, 4342..4554, 4562..4696		
Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	4493	End	4897
GI	none	Score	69
Exons	4493..4549, 4507..4539, 4544..4897, 4552..4854, 4556..4897		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o2.tm	Method	TBLASTX:Maize
Start	4547	End	4765
GI	none	Score	293
Exons	4547..4765, 4547..4747, 4552..4764		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	4766	End	5228
GI	none	Score	406
Exons	4766..5089, 4766..5098, 5096..5227, 5097..5228		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o5.tw	Method	TBLASTX:Wheat
Start	4898	End	5297
GI	none	Score	142
Exons	4898..5092, 4915..5025, 5214..5297		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o2.ts	Method	TBLASTX:Soybean
Start	4913	End	5384
GI	none	Score	162
Exons	4913..5113, 4951..5025, 5091..5195, 5196..5384, 5240..5371		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	5534	End	5947
GI	none	Score	132
Exons	5534..5686, 5535..5672, 5693..5776, 5694..5945, 5834..5947		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o3.tw	Method	TBLASTX:Wheat
Start	5580	End	5978
GI	none	Score	63
Exons	5580..5663, 5709..5978		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o4.tw	Method	TBLASTX:Wheat
Start	6378	End	6671
GI	none	Score	141
Exons	6378..6542, 6567..6671		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o3.tm	Method	TBLASTX:Maize
Start	6396	End	6776
GI	none	Score	88
Exons	6396..6554, 6552..6776		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o3.ts	Method	TBLASTX:Soybean
Start	6399	End	6797
GI	none	Score	236
Exons	6399..6797		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	6957	End	7364
GI	none	Score	228
Exons	6957..7364, 7187..7330		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o4.ts	Method	TBLASTX:Soybean
Start	7140	End	7390
GI	none	Score	234
Exons	7140..7385, 7178..7312, 7349..7390		

Seq. No.	43418	Seq. ID	OJ000350_54.0310.C18
Gene No.	91035	Strand	-
Start	17207	End	17740
Name	OJ000350_54.0310.C18.o3.gs	Method	GENSCAN
Start	17207	End	17740
GI	none	Score	.61
Exons	17207..17368, 17582..17740		

Seq. No.	43419	Seq. ID	OJ000350_54.0310.C20
Gene No.	91036	Strand	-
Start	386	End	825
Name	OJ000350_54.0310.C20.o1.np	Method	AAT/NAP
Start	358	End	825
GI	629693	Score	162
Exons	358..825		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	43419	Seq. ID	OJ000350_54.0310.C20
Gene No.	91036	Strand	-
Start	386	End	825
Name	OJ000350_54.0310.C20.o1.gs	Method	GENSCAN
Start	386	End	667
GI	none	Score	.8
Exons	386..667		

Seq. No.	43419	Seq. ID	OJ000350_54.0310.C20
Gene No.	91036	Strand	-
Start	386	End	825
Name	OJ000350_54.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	396	End	646
GI	none	Score	42
Exons	396..437, 401..646, 474..608		

Seq. No.	43419	Seq. ID	OJ000350_54.0310.C20
Gene No.	91036	Strand	-
Start	386	End	825
Name	OJ000350_54.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	422	End	823
GI	none	Score	87
Exons	422..823, 456..599		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91037	Strand	+
Start	1	End	4682
Name	OJ000350_57.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	2165
GI	585762	Score	522
Exons	1..103, 541..621, 770..859, 1335..1424, 1529..1579, 1777..1823, 1973..2030, 2103..2165		
GI Descrip.	PHOSPHORIBOSYLAMIDOIMIDAZOLE-SUCCINOCARBOXAMIDE SYNTHASE PRECURSOR (SAICAR SYNTHETASE) gi\|453384\|gb\|AAA16231.1\| (U05599) SAICAR synthetase [Arabidopsis thaliana]		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91037	Strand	+
Start	1	End	4682
Name	OJ000350_57.0313.C2.o1.gs	Method	GENSCAN
Start	559	End	4463
GI	none	Score	.86
Exons	559..621, 770..859, 1305..1424, 1529..1619, 2103..2265, 3259..3622, 4113..4463		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91037	Strand	+
Start	1	End	4682
Name	OJ000350_57.0313.C2.o1.gp	Method	AAT/GAP
Start	2106	End	2467
GI	none	Score	679
Exons	2106..2467		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91037	Strand	+
Start	1	End	4682
Name	OJ000350_57.0313.C2.o2.gp	Method	AAT/GAP
Start	3287	End	4682
GI	12138_1.R1084	Score	1734
Exons	3287..3622, 4113..4682		
GI Descrip.	'4996842/dbj\|BAA78580.1\| 1.0e-50 (AB027501) Dcarg-1 [Daucus carota]'		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2

Gene No.	91037	Strand	+
Start	1	End	4682
Name	OJ000350_57.0313.C2.o2.np	Method	AAT/NAP
Start	3311	End	4475
GI	416651	Score	497
Exons	3311..3625, 4119..4475		
GI Descrip.	PROBABLE GLUTATHIONE S-TRANSFERASE (AUXIN-INDUCED PROTEIN PCNT103) gi\|100301\|pir\|\|S16269 auxin-induced protein (clone pCNT103) - common tobacco gi\|19791\|emb\|CAA39704.1\| (X56263) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o3.ts	Method	TBLASTX:Soybean
Start	767	End	2156
GI	none	Score	135
Exons	767..862, 771..872, 772..861, 1266..1424, 1332..1424, 1334..1432, 1334..1432, 1517..1576, 1518..1580, 1526..1582, 1528..1581, 1774..1848, 1971..2030, 2100..2156		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	3263	End	4292
GI	none	Score	515
Exons	3263..3379, 3266..3622, 3289..3582, 3560..3622, 4103..4159, 4112..4168, 4161..4292, 4166..4276, 4227..4277		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	3298	End	3625
GI	none	Score	354
Exons	3298..3372, 3299..3625, 3448..3549		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	3299	End	3616
GI	none	Score	270
Exons	3299..3493, 3320..3541, 3448..3540, 3548..3616		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	3302	End	4343
GI	none	Score	115
Exons	3302..3442, 3422..3625, 3448..3624, 4154..4342, 4155..4343		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652

Name	OJ000350_57.0313.C2.o2.ts	Method	TBLASTX:Soybean
Start	4118	End	4457
GI	none	Score	232
Exons	4118..4342, 4119..4457		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o2.gs	Method	GENSCAN
Start	4709	End	6621
GI	none	Score	.82
Exons	4709..5077, 6367..6621		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o3.np	Method	AAT/NAP
Start	4715	End	6652
GI	1707019	Score	409
Exons	4715..5063, 6341..6652		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o2.tw	Method	TBLASTX:Wheat
Start	4717	End	4958
GI	none	Score	148
Exons	4717..4851, 4784..4945, 4784..4954, 4785..4958		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o2.tm	Method	TBLASTX:Maize
Start	4767	End	6463
GI	none	Score	120
Exons	4767..4973, 4772..4975, 4784..4981, 6362..6463, 6370..6462		

Seq. No.	43420	Seq. ID	OJ000350_57.0313.C2
Gene No.	91038	Strand	-
Start	4709	End	6652
Name	OJ000350_57.0313.C2.o2.tc	Method	TBLASTX:Cress
Start	4784	End	4981
GI	none	Score	74
Exons	4784..4915, 4784..4981, 4785..4970		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o1.gp	Method	AAT/GAP
Start	3946	End	4333
GI	3762228	Score	727
Exons	3946..4333		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747

Name	OJ000350_57.0313.C3.o1.np	Method	AAT/NAP
Start	4229	End	4747
GI	1707019	Score	238
Exons	4229..4587, 4702..4747		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o2.gs	Method	GENSCAN
Start	4247	End	4576
GI	none	Score	.97
Exons	4247..4576		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	4279	End	4583
GI	none	Score	37
Exons	4279..4293, 4302..4550, 4307..4504, 4505..4540, 4537..4578, 4542..4583		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	4302	End	4474
GI	none	Score	137
Exons	4302..4472, 4307..4474		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	4305	End	4543
GI	none	Score	128
Exons	4305..4499, 4307..4543		

Seq. No.	43421	Seq. ID	OJ000350_57.0313.C3
Gene No.	91039	Strand	-
Start	4247	End	4747
Name	OJ000350_57.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	4310	End	4573
GI	none	Score	211
Exons	4310..4573		

Seq. No.	43422	Seq. ID	OJ000350_57.0313.C4
Gene No.	91040	Strand	+
Start	242	End	1225
Name	OJ000350_57.0313.C4.o1.gs	Method	GENSCAN
Start	242	End	1225
GI	none	Score	.47
Exons	242..375, 1111..1225		

Seq. No.	43423	Seq. ID	OJ000350_57.0313.C5
Gene No.	91041	Strand	-

Start	60	End	2070
Name	OJ000350_57.0313.C5.o1.gs	Method	GENSCAN
Start	60	End	1978
GI	none	Score	.54
Exons	60..131, 669..773, 1761..1978		

Seq. No.	43423	Seq. ID	OJ000350_57.0313.C5
Gene No.	91041	Strand	-
Start	60	End	2070
Name	OJ000350_57.0313.C5.o1.np	Method	AAT/NAP
Start	69	End	2070
GI	687677	Score	145
Exons	69..131, 213..284, 669..847, 1985..2070		
GI Descrip.	(U19925) unknown [Arabidopsis thaliana]		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91042	Strand	+
Start	49	End	342
Name	OJ000350_57.0313.C6.o1.gs	Method	GENSCAN
Start	49	End	342
GI	none	Score	.89
Exons	49..206, 330..342		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91043	Strand	+
Start	5884	End	8547
Name	OJ000350_57.0313.C6.o4.gs	Method	GENSCAN
Start	5884	End	8547
GI	none	Score	.44
Exons	5884..5947, 5959..6123, 6233..6537, 7034..7706, 7838..8547		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91044	Strand	-
Start	1	End	2024
Name	OJ000350_57.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	2024
GI	7340860	Score	77
Exons	1..26, 745..850, 1978..2024		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91045	Strand	-
Start	2286	End	2474
Name	OJ000350_57.0313.C6.o3.gs	Method	GENSCAN
Start	2286	End	2474
GI	none	Score	.59
Exons	2286..2474		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o4.tw	Method	TBLASTX:Wheat
Start	6889	End	7234
GI	none	Score	57
Exons	6889..6948, 6983..7132, 7013..7234, 7027..7221, 7160..7231		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o3.tm	Method	TBLASTX:Maize
Start	7301	End	8007
GI	none	Score	223
Exons	7301..7771, 7318..7536, 7603..7758, 7775..7822, 7864..7953, 7909..8007		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o2.tw	Method	TBLASTX:Wheat
Start	7457	End	7831
GI	none	Score	320
Exons	7457..7831, 7462..7830		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	8146	End	9009
GI	none	Score	355
Exons	8146..8538, 8169..8363, 8499..8543, 8529..8807, 8630..8755, 8737..8796, 8738..8971, 8744..8986, 8833..9009		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o1.tw	Method	TBLASTX:Wheat
Start	8197	End	8508
GI	none	Score	331
Exons	8197..8508, 8216..8404, 8220..8414		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	8712	End	9238
GI	none	Score	50
Exons	8712..8801, 8837..9064, 9053..9238		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o5.tw	Method	TBLASTX:Wheat
Start	8860	End	9412
GI	none	Score	63
Exons	8860..9258, 8861..8971, 9041..9235, 9236..9268, 9314..9412		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o4.tm	Method	TBLASTX:Maize
Start	9032	End	9280
GI	none	Score	235
Exons	9032..9280, 9109..9279		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o2.tm	Method	TBLASTX:Maize
Start	9314	End	9781
GI	none	Score	327
Exons	9314..9682, 9317..9571, 9322..9675, 9713..9781, 9718..9756		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o5.gs	Method	GENSCAN
Start	9442	End	9598
GI	none	Score	.5
Exons	9442..9598		

Seq. No.	43424	Seq. ID	OJ000350_57.0313.C6
Gene No.	91046	Strand	-
Start	9442	End	9873
Name	OJ000350_57.0313.C6.o3.tw	Method	TBLASTX:Wheat
Start	9512	End	9873
GI	none	Score	307
Exons	9512..9835, 9625..9837, 9832..9873		

Seq. No.	43425	Seq. ID	OJ000350_57.0313.C7
Gene No.	91047	Strand	-
Start	465	End	583
Name	OJ000350_57.0313.C7.o1.gs	Method	GENSCAN
Start	465	End	583
GI	none	Score	.56
Exons	465..583		

Seq. No.	43426	Seq. ID	OJ000350_57.0313.C8
Gene No.	91048	Strand	+
Start	92	End	9386
Name	OJ000350_57.0313.C8.o1.gs	Method	GENSCAN
Start	92	End	8766
GI	none	Score	.47
Exons	92..231, 1132..1249, 2260..2477, 6763..7185, 7291..7377, 7760..7858, 7996..8197, 8300..8397, 8521..8566, 8615..8766		

Seq. No.	43426	Seq. ID	OJ000350_57.0313.C8
Gene No.	91048	Strand	+
Start	92	End	9386
Name	OJ000350_57.0313.C8.o1.np	Method	AAT/NAP
Start	5871	End	8875
GI	7484663	Score	483
Exons	5871..5996, 6943..7185, 7291..7377, 7763..7858, 7996..8197, 8300..8358, 8563..8875		
GI Descrip.	cyclin D-like protein - red goosefoot gi\|1770190\|emb\|CAA71244.1\| (Y10162) cyclin-D like protein [Chenopodium rubrum]		

Seq. No.	43426	Seq. ID	OJ000350_57.0313.C8
Gene No.	91048	Strand	+
Start	92	End	9386
Name	OJ000350_57.0313.C8.o1.gp	Method	AAT/GAP

Start	7986	End	8725
GI	3766909	Score	706
Exons	7986..8197, 8300..8397, 8615..8725		
GI Descrip.	1770190/emb\|CAA71244\| 5.0e-14 (Y10162) cyclin-D like protein [Chenopodium rubrum]		

Seq. No.	43426	Seq. ID	OJ000350_57.0313.C8
Gene No.	91048	Strand	+
Start	92	End	9386
Name	OJ000350_57.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	7986	End	8199
GI	none	Score	136
Exons	7986..8081, 7993..8199, 7993..8106, 7998..8198		

Seq. No.	43426	Seq. ID	OJ000350_57.0313.C8
Gene No.	91048	Strand	+
Start	92	End	9386
Name	OJ000350_57.0313.C8.o2.gp	Method	AAT/GAP
Start	8748	End	9386
GI	3766910	Score	1102
Exons	8748..9386		

Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91049	Strand	+
Start	4007	End	9726
Name	OJ000350_57.0313.C9.o3.gs	Method	GENSCAN
Start	4007	End	9726
GI	none	Score	.5
Exons	4007..4054, 4341..4571, 7146..7325, 7332..7470, 7622..7901, 8041..8102, 8104..8389, 8506..8670, 9654..9726		

Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91049	Strand	+
Start	4007	End	9726
Name	OJ000350_57.0313.C9.o2.np	Method	AAT/NAP
Start	7251	End	8662
GI	6503012	Score	495
Exons	7251..7474, 7892..7989, 8104..8378, 8486..8662		
GI Descrip.	(AF174428) FH protein interacting protein FIP1 [Arabidopsis thaliana]		

Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91049	Strand	+
Start	4007	End	9726
Name	OJ000350_57.0313.C9.o1.gp	Method	AAT/GAP
Start	7645	End	8297
GI	59498_1.R1084	Score	706
Exons	7645..7799, 7888..7989, 8104..8297		
GI Descrip.	'1770190/emb\|CAA71244\| 5.0e-14 (Y10162) cyclin-D like protein [Chenopodium rubrum]'		

Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91050	Strand	-
Start	809	End	916
Name	OJ000350_57.0313.C9.o1.np	Method	AAT/NAP
Start	809	End	916
GI	6815099	Score	72

Exons	809..916		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91051	Strand	-
Start	2244	End	3171
Name	OJ000350_57.0313.C9.o2.gs	Method	GENSCAN
Start	2244	End	3171
GI	none	Score	.57
Exons	2244..2389, 2724..2913, 3025..3171		
Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91052	Strand	
Start	8066	End	8659
Name	OJ000350_57.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	8066	End	8659
GI	none	Score	273
Exons	8066..8332, 8103..8381, 8483..8659, 8557..8625, 8558..8659		
Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91052	Strand	
Start	8066	End	8659
Name	OJ000350_57.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	8090	End	8638
GI	none	Score	192
Exons	8090..8323, 8091..8381, 8483..8638, 8558..8638		
Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91052	Strand	
Start	8066	End	8659
Name	OJ000350_57.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	8103	End	8623
GI	none	Score	224
Exons	8103..8321, 8105..8320, 8513..8623		
Seq. No.	43427	Seq. ID	OJ000350_57.0313.C9
Gene No.	91052	Strand	
Start	8066	End	8659
Name	OJ000350_57.0313.C9.o1.tc	Method	TBLASTX:Cress
Start	8273	End	8647
GI	none	Score	97
Exons	8273..8338, 8274..8348, 8432..8647, 8485..8646, 8561..8647		
Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.gs	Method	GENSCAN
Start	2871	End	8894
GI	none	Score	.53
Exons	2871..3028, 3190..3499, 3565..3686, 4444..4534, 5889..6027, 6174..6308, 6692..6788, 7234..7343, 7923..7973, 8104..8451, 8472..8894		
Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.np	Method	AAT/NAP

Start	8062	End	8894
GI	7485966	Score	519
Exons	8062..8279, 8339..8451, 8541..8894		
GI Descrip.	hypothetical protein F22K18.140 - Arabidopsis thaliana gi\|4220524\|emb\|CAA22997.1\| (AL035356) putative protein [Arabidopsis thaliana] gi\|7269316\|emb\|CAB79376.1\| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o2.tc	Method	TBLASTX:Cress
Start	8068	End	8263
GI	none	Score	163
Exons	8068..8253, 8069..8263		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.ts	Method	TBLASTX:Soybean
Start	8074	End	8323
GI	none	Score	211
Exons	8074..8253, 8075..8323		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.tm	Method	TBLASTX:Maize
Start	8075	End	8254
GI	none	Score	161
Exons	8075..8254, 8080..8253		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o2.ts	Method	TBLASTX:Soybean
Start	8359	End	8739
GI	none	Score	39
Exons	8359..8394, 8455..8475, 8485..8508, 8492..8506, 8566..8739, 8577..8729		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.gp	Method	AAT/GAP
Start	8431	End	8999
GI	57402_1.R1084	Score	1092
Exons	8431..8999		
GI Descrip.	'4220524/emb\|CAA22997\| 3.0e-18 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o1.tc	Method	TBLASTX:Cress
Start	8575	End	8796
GI	none	Score	41

Exons	8575..8616, 8577..8729, 8668..8796		
Seq. No.	43428	Seq. ID	OJ000350_57.0313.C10
Gene No.	91053	Strand	-
Start	2871	End	8999
Name	OJ000350_57.0313.C10.o2.tm	Method	TBLASTX:Maize
Start	8580	End	8729
GI	none	Score	75
Exons	8580..8729, 8590..8727		
Seq. No.	43429	Seq. ID	OJ000350_57.0313.C11
Gene No.	91054	Strand	-
Start	1041	End	3616
Name	OJ000350_57.0313.C11.o1.gs	Method	GENSCAN
Start	1041	End	3343
GI	none	Score	.46
Exons	1041..1081, 1114..1240, 1637..1843, 3290..3343		
Seq. No.	43429	Seq. ID	OJ000350_57.0313.C11
Gene No.	91054	Strand	-
Start	1041	End	3616
Name	OJ000350_57.0313.C11.o1.np	Method	AAT/NAP
Start	2191	End	3616
GI	5852084	Score	77
Exons	2191..2283, 3593..3616		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	43430	Seq. ID	OJ000350_57.0313.C12
Gene No.	91055	Strand	+
Start	153	End	884
Name	OJ000350_57.0313.C12.o1.gs	Method	GENSCAN
Start	153	End	884
GI	none	Score	.48
Exons	153..167, 682..749, 758..884		
Seq. No.	43431	Seq. ID	OJ000350_57.0313.C13
Gene No.	91056	Strand	+
Start	2594	End	3042
Name	OJ000350_57.0313.C13.o2.gp	Method	AAT/GAP
Start	2594	End	3042
GI	LIB3432-059-P1-K1-D8	Score	702
Exons	2594..3042		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	43432	Seq. ID	OJ000350_57.0313.C14
Gene No.	91057	Strand	-
Start	3213	End	4107
Name	OJ000350_57.0313.C14.o1.gs	Method	GENSCAN
Start	3213	End	4107
GI	none	Score	.71
Exons	3213..3348, 3603..3676, 4102..4107		
Seq. No.	43433	Seq. ID	OJ000350_57.0313.C15
Gene No.	91058	Strand	+
Start	911	End	1297
Name	OJ000350_57.0313.C15.o1.gs	Method	GENSCAN

Start	911	End	1297
GI	none	Score	.7
Exons	911..1024, 1280..1297		

Seq. No.	43433	Seq. ID	OJ000350_57.0313.C15
Gene No.	91059	Strand	-
Start	2021	End	3458
Name	OJ000350_57.0313.C15.o2.gs	Method	GENSCAN
Start	2021	End	3458
GI	none	Score	.76
Exons	2021..2407, 2503..2598, 2649..3458		

Seq. No.	43433	Seq. ID	OJ000350_57.0313.C15
Gene No.	91059	Strand	-
Start	2021	End	3458
Name	OJ000350_57.0313.C15.o1.np	Method	AAT/NAP
Start	2024	End	3293
GI	7487094	Score	808
Exons	2024..2407, 2503..3293		
GI Descrip.	hypothetical protein T16L1.80 - Arabidopsis thaliana gi\|3549661\|emb\|CAA20572.1\| (AL031394) hypothetical protein [Arabidopsis thaliana] gi\|7270307\|emb\|CAB80076.1\| (AL161583) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43434	Seq. ID	OJ000350_57.0313.C20
Gene No.	91060	Strand	+
Start	49	End	365
Name	OJ000350_57.0313.C20.o1.gs	Method	GENSCAN
Start	49	End	365
GI	none	Score	.79
Exons	49..365		

Seq. No.	43434	Seq. ID	OJ000350_57.0313.C20
Gene No.	91061	Strand	-
Start	776	End	966
Name	OJ000350_57.0313.C20.o2.gs	Method	GENSCAN
Start	776	End	966
GI	none	Score	.7
Exons	776..841, 866..966		

Seq. No.	43435	Seq. ID	OJ000350_57.0313.C21
Gene No.	91062	Strand	-
Start	1	End	3128
Name	OJ000350_57.0313.C21.o1.np	Method	AAT/NAP
Start	1	End	3128
GI	6815062	Score	98
Exons	1..283, 390..440, 511..607, 3073..3128		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	43435	Seq. ID	OJ000350_57.0313.C21
Gene No.	91062	Strand	-
Start	1	End	3128
Name	OJ000350_57.0313.C21.o1.gs	Method	GENSCAN
Start	68	End	579
GI	none	Score	.84

Exons	68..440, 511..579		
Seq. No.	43435	Seq. ID	OJ000350_57.0313.C21
Gene No.	91062	Strand	-
Start	1	End	3128
Name	OJ000350_57.0313.C21.o2.gs	Method	GENSCAN
Start	2268	End	2405
GI	none	Score	.9
Exons	2268..2405		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.gs	Method	GENSCAN
Start	61	End	3791
GI	none	Score	.87
Exons	61..718, 2489..2644, 2735..2908, 3004..3101, 3420..3506, 3684..3791		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.np	Method	AAT/NAP
Start	181	End	4408
GI	116054	Score	500
Exons	181..718, 2348..2644, 4374..4408		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) gi\|280393\|pir\|\|A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean gi\|169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.ts	Method	TBLASTX:Soybean
Start	262	End	2619
GI	none	Score	130
Exons	262..390, 297..368, 379..720, 381..719, 385..723, 2340..2609, 2346..2603, 2347..2619, 2347..2610		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o2.tm	Method	TBLASTX:Maize
Start	262	End	453
GI	none	Score	118
Exons	262..345, 297..344, 345..452, 346..453		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.tc	Method	TBLASTX:Cress
Start	277	End	2643
GI	none	Score	99
Exons	277..381, 391..657, 403..651, 2346..2642, 2347..2442, 2479..2643		
Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22

Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o2.tw	Method	TBLASTX:Wheat
Start	391	End	665
GI	none	Score	240
Exons	391..660, 406..570, 417..665		

Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.tm	Method	TBLASTX:Maize
Start	454	End	3331
GI	none	Score	420
Exons	454..732, 456..719, 2334..2645, 2341..2649, 2347..2646, 2519..2662, 2729..2860, 2734..2838, 2736..2870, 2736..2846, 2737..2898, 2877..3101, 2881..3096, 2893..3102, 2904..3101, 3215..3292, 3290..3331		

Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.tw	Method	TBLASTX:Wheat
Start	2406	End	2919
GI	none	Score	292
Exons	2406..2642, 2407..2643, 2407..2649, 2408..2650, 2734..2796, 2736..2783, 2736..2798, 2737..2796, 2782..2910, 2794..2919, 2810..2917		

Seq. No.	43436	Seq. ID	OJ000350_57.0313.C22
Gene No.	91063	Strand	+
Start	61	End	4408
Name	OJ000350_57.0313.C22.o1.gp	Method	AAT/GAP
Start	2724	End	3396
GI	none	Score	1281
Exons	2724..3396		

Seq. No.	43437	Seq. ID	OJ000350_57.0313.C28
Gene No.	91064	Strand	+
Start	458	End	720
Name	OJ000350_57.0313.C28.o1.gs	Method	GENSCAN
Start	458	End	720
GI	none	Score	.68
Exons	458..720		

Seq. No.	43438	Seq. ID	OJ000350_57.0313.C29
Gene No.	91065	Strand	-
Start	774	End	1267
Name	OJ000350_57.0313.C29.o1.gs	Method	GENSCAN
Start	774	End	1267
GI	none	Score	.5
Exons	774..887, 1205..1267		

Seq. No.	43439	Seq. ID	OJ000350_57.0313.C30
Gene No.	91066	Strand	-
Start	370	End	1647
Name	OJ000350_57.0313.C30.o1.gs	Method	GENSCAN
Start	370	End	1647

GI	none	Score	.66
Exons	370..535, 1120..1219, 1529..1647		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91067	Strand	+
Start	4376	End	12682
Name	OJ000350_57.0313.C31.o1.np	Method	AAT/NAP
Start	4376	End	9237
GI	7228457	Score	3188
Exons	4376..5891, 5949..7632, 7699..9237		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91067	Strand	+
Start	4376	End	12682
Name	OJ000350_57.0313.C31.o3.gs	Method	GENSCAN
Start	6306	End	12682
GI	none	Score	.65
Exons	6306..6907, 7107..8224, 8405..9078, 9824..9931, 9936..10160, 10279..10341, 10412..10669, 11193..11534, 11807..11920, 11999..12122, 12273..12682		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91068	Strand	-
Start	756	End	1275
Name	OJ000350_57.0313.C31.o1.gs	Method	GENSCAN
Start	756	End	1275
GI	none	Score	.51
Exons	756..897, 918..1182, 1188..1275		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o7.tw	Method	TBLASTX:Wheat
Start	4388	End	4784
GI	none	Score	63
Exons	4388..4438, 4439..4552, 4450..4500, 4511..4591, 4591..4611, 4607..4735, 4608..4784		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o4.tw	Method	TBLASTX:Wheat
Start	5415	End	5870
GI	none	Score	150
Exons	5415..5597, 5423..5596, 5634..5870, 5636..5752, 5646..5855		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o1.tw	Method	TBLASTX:Wheat
Start	6062	End	6518
GI	none	Score	549
Exons	6062..6517, 6063..6518		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o1.tm	Method	TBLASTX:Maize
Start	6233	End	6548
GI	none	Score	411
Exons	6233..6547, 6234..6548		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o3.tm	Method	TBLASTX:Maize
Start	6576	End	6959
GI	none	Score	319
Exons	6576..6959, 6625..6768, 6743..6958		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o2.tw	Method	TBLASTX:Wheat
Start	6633	End	15238
GI	none	Score	464
Exons	6633..7052, 6633..7037, 6743..7051, 15137..15238		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o1.ts	Method	TBLASTX:Soybean
Start	6687	End	15238
GI	none	Score	294
Exons	6687..7058, 6746..6871, 7042..7113, 15086..15238, 15087..15194		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o6.tw	Method	TBLASTX:Wheat
Start	7204	End	14868
GI	none	Score	214
Exons	7204..7428, 7243..7428, 7260..7430, 7438..7611, 7467..7559, 7546..7611, 14560..14634, 14624..14698, 14625..14696, 14766..14867, 14767..14868		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o2.ts	Method	TBLASTX:Soybean
Start	7327	End	14900
GI	none	Score	85
Exons	7327..7452, 7459..7710, 14462..14614, 14464..14616, 14630..14698, 14631..14696, 14763..14900, 14767..14898		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o8.tw	Method	TBLASTX:Wheat
Start	7650	End	7971
GI	none	Score	177

Exons	7650..7904, 7672..7971		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o2.tm	Method	TBLASTX:Maize
Start	8113	End	14175
GI	none	Score	331
Exons	8113..8418, 8130..8417, 13843..14175		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o5.tw	Method	TBLASTX:Wheat
Start	8113	End	14169
GI	none	Score	365
Exons	8113..8496, 8121..8495, 13780..13836, 13867..13974, 14008..14169		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o4.ts	Method	TBLASTX:Soybean
Start	8272	End	14010
GI	none	Score	72
Exons	8272..8415, 8422..8538, 8536..8643, 13612..14010, 13700..13906		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o3.tw	Method	TBLASTX:Wheat
Start	8620	End	13647
GI	none	Score	358
Exons	8620..9072, 8625..8723, 8799..8876, 9097..9228, 13084..13179, 13360..13512, 13576..13647		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o3.ts	Method	TBLASTX:Soybean
Start	9103	End	13269
GI	none	Score	61
Exons	9103..9177, 13016..13057, 13030..13269, 13106..13267		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o4.gs	Method	GENSCAN
Start	13009	End	14505
GI	none	Score	.76
Exons	13009..14505		
Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o2.np	Method	AAT/NAP
Start	13030	End	14230
GI	4544372	Score	580

Exons	13030..14230		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43440	Seq. ID	OJ000350_57.0313.C31
Gene No.	91069	Strand	-
Start	13009	End	15256
Name	OJ000350_57.0313.C31.o3.np	Method	AAT/NAP
Start	13359	End	15256
GI	7248394	Score	450
Exons	13359..13390, 14755..15256		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	7248394	Score	1215
Exons	1..415, 683..1604		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	278
GI	none	Score	156
Exons	1..129, 3..278, 15..278		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o1.ts	Method	TBLASTX:Soybean
Start	1	End	203
GI	none	Score	86
Exons	1..111, 3..203		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o1.gs	Method	GENSCAN
Start	64	End	698
GI	none	Score	.68
Exons	64..698		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604

Name	OJ000350_57.0313.C32.o1.tw	Method	TBLASTX:Wheat
Start	147	End	551
GI	none	Score	260
Exons	147..491, 147..500, 190..492,	495..551,	505..546

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o2.tm	Method	TBLASTX:Maize
Start	279	End	497
GI	none	Score	209
Exons	279..497, 280..492		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o2.ts	Method	TBLASTX:Soybean
Start	348	End	702
GI	none	Score	61
Exons	348..482, 489..701, 490..702		

Seq. No.	43441	Seq. ID	OJ000350_57.0313.C32
Gene No.	91070	Strand	-
Start	1	End	1604
Name	OJ000350_57.0313.C32.o3.ts	Method	TBLASTX:Soybean
Start	1122	End	1460
GI	none	Score	194
Exons	1122..1460		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91071	Strand	+
Start	1682	End	3219
Name	OJ000350_57.0313.C33.o2.gs	Method	GENSCAN
Start	1682	End	3219
GI	none	Score	.8
Exons	1682..1732, 2014..3219		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91072	Strand	+
Start	4828	End	11592
Name	OJ000350_57.0313.C33.o2.np	Method	AAT/NAP
Start	4828	End	6920
GI	7523517	Score	317
Exons	4828..5127, 5272..5322, 6840..6920		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91072	Strand	+
Start	4828	End	11592
Name	OJ000350_57.0313.C33.o4.gs	Method	GENSCAN
Start	5256	End	11592
GI	none	Score	.42
Exons	5256..5729, 6403..6585, 6838..6936,	11404..11592	

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91073	Strand	-
Start	1591	End	4644

Name	OJ000350_57.0313.C33.o1.np	Method	AAT/NAP
Start	1591	End	4390
GI	6721558	Score	257
Exons	1591..1711, 3466..3590, 4291..4390		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91073	Strand	-
Start	1591	End	4644
Name	OJ000350_57.0313.C33.o3.gs	Method	GENSCAN
Start	3448	End	4644
GI	none	Score	.5
Exons	3448..3653, 3757..4095, 4291..4431, 4542..4644		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o1.tm	Method	TBLASTX:Maize
Start	12220	End	12555
GI	none	Score	267
Exons	12220..12555, 12225..12554		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o1.tw	Method	TBLASTX:Wheat
Start	12225	End	12452
GI	none	Score	111
Exons	12225..12452, 12228..12404, 12232..12405		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o5.gs	Method	GENSCAN
Start	12225	End	12884
GI	none	Score	.96
Exons	12225..12884		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o3.np	Method	AAT/NAP
Start	12228	End	12902
GI	4544443	Score	727
Exons	12228..12902		
GI Descrip.	(AC006592) putative mitochondrial dicarboxylate carrier protein [Arabidopsis thaliana]		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o1.ts	Method	TBLASTX:Soybean
Start	12238	End	12902
GI	none	Score	164
Exons	12238..12435, 12240..12545, 12244..12531, 12538..12810,		

12540..12809, 12852..12902, 12852..12902

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o1.tc	Method	TBLASTX:Cress
Start	12240	End	12902
GI	none	Score	152
Exons	12240..12389, 12244..12384, 12405..12518, 12540..12809, 12571..12807, 12852..12902		

Seq. No.	43442	Seq. ID	OJ000350_57.0313.C33
Gene No.	91074	Strand	-
Start	12225	End	12902
Name	OJ000350_57.0313.C33.o2.tm	Method	TBLASTX:Maize
Start	12555	End	12809
GI	none	Score	129
Exons	12555..12809, 12559..12807		

Seq. No.	43443	Seq. ID	OJ000350_57.0313.C34
Gene No.	91075	Strand	+
Start	2073	End	2432
Name	OJ000350_57.0313.C34.o1.gp	Method	AAT/GAP
Start	2073	End	2432
GI	none	Score	674
Exons	2073..2432		

Seq. No.	43443	Seq. ID	OJ000350_57.0313.C34
Gene No.	91076	Strand	-
Start	1	End	135
Name	OJ000350_57.0313.C34.o1.np	Method	AAT/NAP
Start	1	End	135
GI	7488415	Score	146
Exons	1..135		
GI Descrip.	uncoupling protein homolog F22K18.230 - Arabidopsis thaliana gi\|4220533\|emb\|CAA23006.1\| (AL035356) putative mitochondrial uncoupling protein [Arabidopsis thaliana] gi\|7269307\|emb\|CAB79367.1\| (AL161561) putative mitochondrial uncoupling protein [Arabidopsis thaliana]		

Seq. No.	43443	Seq. ID	OJ000350_57.0313.C34
Gene No.	91077	Strand	-
Start	55	End	1485
Name	OJ000350_57.0313.C34.o1.gs	Method	GENSCAN
Start	55	End	1485
GI	none	Score	.85
Exons	55..193, 1424..1485		

Seq. No.	43443	Seq. ID	OJ000350_57.0313.C34
Gene No.	91078	Strand	-
Start	2100	End	2250
Name	OJ000350_57.0313.C34.o2.gs	Method	GENSCAN
Start	2100	End	2250
GI	none	Score	.9
Exons	2100..2250		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35

Gene No.	91079	Strand	+
Start	794	End	2325
Name	OJ000350_57.0313.C35.o1.gs	Method	GENSCAN
Start	794	End	2325
GI	none	Score	.66
Exons	794..884, 1062..1220, 1640..1748, 2244..2325		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91080	Strand	+
Start	2496	End	2946
Name	OJ000350_57.0313.C35.o1.gp	Method	AAT/GAP
Start	2496	End	2946
GI	54271_1.R1084	Score	804
Exons	2496..2946		
GI Descrip.	'3413511/emb\|CAA03982\| 3.0e-13 (AJ000265) glucose-6-phosphate isomerase [Spinacia oleracea]'		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91081	Strand	+
Start	7597	End	9557
Name	OJ000350_57.0313.C35.o3.gs	Method	GENSCAN
Start	7597	End	9557
GI	none	Score	.65
Exons	7597..8039, 8162..8247, 8874..8964, 9134..9557		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o1.tm	Method	TBLASTX:Maize
Start	2756	End	7249
GI	none	Score	197
Exons	2756..2956, 2788..2928, 2798..2953, 3028..3105, 3041..3109, 3679..3759, 3680..3757, 3681..3758, 3682..3780, 3849..4022, 3854..4021, 4065..4238, 4094..4237, 4095..4253, 4096..4257, 4324..4380, 4325..4378, 4801..4917, 4806..4916, 4988..5071, 4990..5070, 5000..5077, 5001..5075, 5141..5230, 5159..5236, 5160..5237, 5161..5250, 5292..5453, 5300..5455, 5307..5477, 5308..5454, 6027..6113, 6028..6114, 6029..6130, 6030..6113, 6196..6300, 6196..6297, 6404..6463, 6404..6517, 6411..6518, 6931..7248, 6944..7249		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o1.np	Method	AAT/NAP
Start	2798	End	8009
GI	7484671	Score	2029
Exons	2798..2928, 3040..3106, 3679..3757, 3856..4012, 4095..4233, 4325..4377, 4807..4914, 5002..5070, 5162..5227, 5308..5451, 6029..6112, 6196..6294, 6410..6510, 6924..7284, 7318..7416, 7912..8009		
GI Descrip.	glucose-6-phosphate isomerase (EC 5.3.1.9) precursor, chloroplast - spinach gi\|3413511\|emb\|CAA03982.1\| (AJ000265) glucose-6-phosphate isomerase [Spinacia oleracea]		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-

Start	3044	End	8009
Name	OJ000350_57.0313.C35.o1.tc	Method	TBLASTX:Cress
Start	2806	End	4022
GI	none	Score	147
Exons	2806..2931, 2807..2929, 3028..3108, 3041..3109, 3681..3758, 3681..3758, 3849..4022, 3854..4021		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o1.ts	Method	TBLASTX:Soybean
Start	2808	End	5070
GI	none	Score	47
Exons	2808..2921, 2809..2928, 2810..2956, 3028..3108, 3028..3108, 3041..3121, 3679..3759, 3681..3758, 3849..4022, 3854..4021, 3973..4023, 4092..4238, 4095..4253, 4096..4257, 4324..4380, 4325..4378, 4326..4379, 4801..4914, 4806..4916, 4990..5070, 4997..5068		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o2.gp	Method	AAT/GAP
Start	3029	End	6265
GI	12101_1.R1084	Score	1822
Exons	3029..3106, 3679..3757, 3856..4012, 4095..4233, 4325..4377, 4807..4914, 5002..5070, 5162..5227, 5308..5451, 6029..6112, 6196..6265		
GI Descrip.	'3413511/emb\|CAA03982\| 1.0e-175 (AJ000265) glucose-6-phosphate isomerase [Spinacia oleracea]'		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o2.gs	Method	GENSCAN
Start	3044	End	7488
GI	none	Score	.79
Exons	3044..3106, 3705..3757, 3856..4012, 4095..4233, 4325..4377, 4807..4914, 5308..5451, 6029..6112, 6196..6294, 6410..6532, 6940..7488		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o2.ts	Method	TBLASTX:Soybean
Start	5158	End	7275
GI	none	Score	61
Exons	5158..5229, 5159..5236, 5163..5237, 5295..5435, 5306..5452, 5308..5454, 5315..5458, 6029..6130, 6030..6113, 6196..6297, 6200..6295, 6241..6297, 6404..6454, 6404..6553, 6414..6554, 6883..7275, 6923..7258		

Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o2.tc	Method	TBLASTX:Cress
Start	7069	End	7311

GI	none	Score	123
Exons	7069..7311, 7070..7264		
Seq. No.	43444	Seq. ID	OJ000350_57.0313.C35
Gene No.	91082	Strand	-
Start	3044	End	8009
Name	OJ000350_57.0313.C35.o3.gp	Method	AAT/GAP
Start	7093	End	7612
GI	52388_1.R1084	Score	1016
Exons	7093..7612		
GI Descrip.	'3413511/emb\|CAA03982\| 4.0e-17 (AJ000265) glucose-6-phosphate isomerase [Spinacia oleracea]'		
Seq. No.	43445	Seq. ID	OJ000350_57.0313.C36
Gene No.	91083	Strand	+
Start	355	End	754
Name	OJ000350_57.0313.C36.o1.gs	Method	GENSCAN
Start	355	End	754
GI	none	Score	.47
Exons	355..592, 603..754		
Seq. No.	43446	Seq. ID	OJ000350_57.0313.C41
Gene No.	91084	Strand	+
Start	1	End	828
Name	OJ000350_57.0313.C41.o1.np	Method	AAT/NAP
Start	1	End	828
GI	6721512	Score	80
Exons	1..122, 701..828		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	43447	Seq. ID	OJ000350_51.0315.C1
Gene No.	91085	Strand	+
Start	1	End	3731
Name	OJ000350_51.0315.C1.o1.np	Method	AAT/NAP
Start	1	End	3731
GI	5852180	Score	458
Exons	1..32, 2033..2086, 3069..3187, 3239..3652, 3696..3731		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	43447	Seq. ID	OJ000350_51.0315.C1
Gene No.	91086	Strand	-
Start	12	End	1278
Name	OJ000350_51.0315.C1.o1.gs	Method	GENSCAN
Start	12	End	1278
GI	none	Score	.94
Exons	12..920, 1269..1278		
Seq. No.	43447	Seq. ID	OJ000350_51.0315.C1
Gene No.	91087	Strand	-
Start	1935	End	2316
Name	OJ000350_51.0315.C1.o1.gp	Method	AAT/GAP
Start	1935	End	2316
GI	uC-osflcyp033a04b1	Score	651
Exons	1935..2316		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43447	Seq. ID	OJ000350_51.0315.C1
Gene No.	91088	Strand	-
Start	3124	End	3631
Name	OJ000350_51.0315.C1.o2.gs	Method	GENSCAN
Start	3124	End	3631
GI	none	Score	.63
Exons	3124..3264, 3392..3631		

Seq. No.	43448	Seq. ID	OJ000350_51.0315.C2
Gene No.	91089	Strand	-
Start	1852	End	2044
Name	OJ000350_51.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	1768	End	2043
GI	none	Score	80
Exons	1768..1797, 1830..1952, 1839..1952, 1841..2041, 1855..2043		

Seq. No.	43448	Seq. ID	OJ000350_51.0315.C2
Gene No.	91089	Strand	-
Start	1852	End	2044
Name	OJ000350_51.0315.C2.o1.np	Method	AAT/NAP
Start	1852	End	2044
GI	6630685	Score	234
Exons	1852..2044		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	43449	Seq. ID	OJ000350_51.0315.C3
Gene No.	91090	Strand	-
Start	1	End	4311
Name	OJ000350_51.0315.C3.o1.np	Method	AAT/NAP
Start	1	End	2896
GI	4416302	Score	3138
Exons	1..2896		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	43449	Seq. ID	OJ000350_51.0315.C3
Gene No.	91090	Strand	-
Start	1	End	4311
Name	OJ000350_51.0315.C3.o1.gs	Method	GENSCAN
Start	77	End	4311
GI	none	Score	.47
Exons	77..817, 1148..2622, 3212..3801, 3822..4311		

Seq. No.	43449	Seq. ID	OJ000350_51.0315.C3
Gene No.	91090	Strand	-
Start	1	End	4311
Name	OJ000350_51.0315.C3.o3.tm	Method	TBLASTX:Maize
Start	692	End	1159
GI	none	Score	367
Exons	692..1159, 693..1157, 1040..1159		

Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91091	Strand	+
Start	1	End	7454
Name	OJ000350_51.0315.C4.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6721516	Score	312

Exons	1..68, 325..717		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91091	Strand	+
Start	1	End	7454
Name	OJ000350_51.0315.C4.o1.gs	Method	GENSCAN
Start	493	End	5636
GI	none	Score	.54
Exons	493..541, 566..648, 1670..1835, 2107..2301, 4149..4320, 5579..5636		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91091	Strand	+
Start	1	End	7454
Name	OJ000350_51.0315.C4.o2.np	Method	AAT/NAP
Start	2909	End	7454
GI	5042463	Score	134
Exons	2909..2936, 4518..4712, 5374..5527, 5579..5700, 7427..7454		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91091	Strand	+
Start	1	End	7454
Name	OJ000350_51.0315.C4.o2.gp	Method	AAT/GAP
Start	6367	End	6791
GI	uC-osf1M202048c12b1	Score	686
Exons	6367..6791		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91092	Strand	-
Start	6367	End	6787
Name	OJ000350_51.0315.C4.o1.gp	Method	AAT/GAP
Start	6367	End	6787
GI	uC-osf1M202048c12b1	Score	685
Exons	6367..6787		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91093	Strand	-
Start	7495	End	7878
Name	OJ000350_51.0315.C4.o3.gp	Method	AAT/GAP
Start	7495	End	7878
GI	uC-osf1cyp033a04b1	Score	701
Exons	7495..7878		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91094	Strand	-
Start	8311	End	12359
Name	OJ000350_51.0315.C4.o2.gs	Method	GENSCAN
Start	8311	End	12174
GI	none	Score	.74

Exons	8311..8396, 8793..8883, 8955..9247, 10975..11056, 11332..11406, 11486..11564, 11607..12174		
Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91094	Strand	-
Start	8311	End	12359
Name	OJ000350_51.0315.C4.o5.gp	Method	AAT/GAP
Start	10110	End	10492
GI	uC-osflcyp033a04b1	Score	676
Exons	10110..10492		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43450	Seq. ID	OJ000350_51.0315.C4
Gene No.	91094	Strand	-
Start	8311	End	12359
Name	OJ000350_51.0315.C4.o3.np	Method	AAT/NAP
Start	10955	End	12359
GI	6907087	Score	676
Exons	10955..11056, 11607..12359		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43451	Seq. ID	OJ000350_51.0315.C9
Gene No.	91095	Strand	-
Start	1	End	1193
Name	OJ000350_51.0315.C9.o1.np	Method	AAT/NAP
Start	1	End	1193
GI	6983860	Score	318
Exons	1..34, 494..653, 780..1193		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43451	Seq. ID	OJ000350_51.0315.C9
Gene No.	91095	Strand	-
Start	1	End	1193
Name	OJ000350_51.0315.C9.o1.gs	Method	GENSCAN
Start	396	End	1187
GI	none	Score	.75
Exons	396..1187		

Seq. No.	43451	Seq. ID	OJ000350_51.0315.C9
Gene No.	91095	Strand	-
Start	1	End	1193
Name	OJ000350_51.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	915	End	1193
GI	none	Score	74
Exons	915..1193, 1087..1191		

Seq. No.	43451	Seq. ID	OJ000350_51.0315.C9
Gene No.	91095	Strand	-
Start	1	End	1193
Name	OJ000350_51.0315.C9.o1.tw	Method	TBLASTX:Wheat
Start	918	End	1193
GI	none	Score	88
Exons	918..1193, 1033..1191, 1044..1193		

Seq. No.	43452	Seq. ID	OJ000350_51.0315.C10
Gene No.	91096	Strand	+
Start	883	End	4084
Name	OJ000350_51.0315.C10.o1.gs	Method	GENSCAN
Start	883	End	4084
GI	none	Score	.74
Exons	883..1542, 1567..1627, 3978..4084		

Seq. No.	43452	Seq. ID	OJ000350_51.0315.C10
Gene No.	91097	Strand	-
Start	1	End	1905
Name	OJ000350_51.0315.C10.o2.np	Method	AAT/NAP
Start	1	End	1905
GI	4680179	Score	160
Exons	1..20, 1497..1905		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43452	Seq. ID	OJ000350_51.0315.C10
Gene No.	91098	Strand	-
Start	3139	End	3511
Name	OJ000350_51.0315.C10.o1.gp	Method	AAT/GAP
Start	3139	End	3511
GI	uC-osflcyp033a04b1	Score	512
Exons	3139..3511		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43452	Seq. ID	OJ000350_51.0315.C10
Gene No.	91099	Strand	-
Start	3977	End	7087
Name	OJ000350_51.0315.C10.o3.np	Method	AAT/NAP
Start	3977	End	5821
GI	6907087	Score	1077
Exons	3977..4078, 4570..5140, 5289..5399, 5444..5821		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43452	Seq. ID	OJ000350_51.0315.C10
Gene No.	91099	Strand	-
Start	3977	End	7087
Name	OJ000350_51.0315.C10.o2.gs	Method	GENSCAN
Start	4396	End	7087
GI	none	Score	.66
Exons	4396..5338, 6984..7087		

Seq. No.	43453	Seq. ID	OJ000350_51.0315.C11
Gene No.	91100	Strand	+
Start	1	End	761
Name	OJ000350_51.0315.C11.o1.np	Method	AAT/NAP
Start	1	End	217
GI	4680186	Score	333
Exons	1..217		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43453	Seq. ID	OJ000350_51.0315.C11

Gene No.	91100	Strand	+
Start	1	End	761
Name	OJ000350_51.0315.C11.o1.gs	Method	GENSCAN
Start	110	End	761
GI	none	Score	.95
Exons	110..170, 589..761		

Seq. No.	43454	Seq. ID	OJ000350_51.0315.C12
Gene No.	91102	Strand	-
Start	27	End	1514
Name	OJ000350_51.0315.C12.o1.np	Method	AAT/NAP
Start	27	End	1514
GI	6056376	Score	149
Exons	27..56, 1173..1404, 1492..1514		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	43455	Seq. ID	OJ000350_51.0315.C13
Gene No.	91103	Strand	-
Start	1	End	7255
Name	OJ000350_51.0315.C13.o1.np	Method	AAT/NAP
Start	1	End	6925
GI	6056376	Score	953
Exons	1..170, 299..414, 501..659, 732..933, 1018..1388, 1477..1532, 1625..1675, 1746..1811, 1907..1972, 2065..2160, 2345..2464, 2552..2623, 2914..2980, 3057..3133, 3245..3316, 4204..4275, 4356..4432, 6897..6925		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	43455	Seq. ID	OJ000350_51.0315.C13
Gene No.	91103	Strand	-
Start	1	End	7255
Name	OJ000350_51.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1182
GI	none	Score	94
Exons	3..176, 4..171, 299..418, 300..365, 733..768, 769..861, 841..957, 1018..1182		

Seq. No.	43455	Seq. ID	OJ000350_51.0315.C13
Gene No.	91103	Strand	-
Start	1	End	7255
Name	OJ000350_51.0315.C13.o1.tc	Method	TBLASTX:Cress
Start	6	End	3324
GI	none	Score	82
Exons	6..176, 25..171, 299..385, 739..768, 769..876, 988..1185, 1225..1302, 3244..3324		

Seq. No.	43455	Seq. ID	OJ000350_51.0315.C13
Gene No.	91103	Strand	-
Start	1	End	7255
Name	OJ000350_51.0315.C13.o1.gs	Method	GENSCAN
Start	299	End	7255
GI	none	Score	.52
Exons	299..417, 501..659, 732..933, 1018..1388, 1932..1972, 2914..2985, 3245..3316, 5377..5443, 5568..5718, 6088..6243, 6962..7068, 7073..7129, 7186..7255		

Seq. No.	43456	Seq. ID	OJ000350_51.0315.C14
Gene No.	91104	Strand	-
Start	1856	End	2526
Name	OJ000350_51.0315.C14.o1.np	Method	AAT/NAP
Start	1856	End	2526
GI	6056374	Score	152
Exons	1856..1927, 2288..2526		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	43456	Seq. ID	OJ000350_51.0315.C14
Gene No.	91105	Strand	-
Start	7685	End	10107
Name	OJ000350_51.0315.C14.o2.np	Method	AAT/NAP
Start	7809	End	10107
GI	5852175	Score	119
Exons	7809..7854, 8486..8590, 9971..10107		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	43456	Seq. ID	OJ000350_51.0315.C14
Gene No.	91105	Strand	-
Start	7685	End	10107
Name	OJ000350_51.0315.C14.o2.gs	Method	GENSCAN
Start	9530	End	10040
GI	none	Score	.97
Exons	9530..9643, 9805..9875, 9971..10040		

Seq. No.	43457	Seq. ID	OJ000350_51.0315.C15
Gene No.	91106	Strand	+
Start	1210	End	1282
Name	OJ000350_51.0315.C15.o1.gs	Method	GENSCAN
Start	1210	End	1282
GI	none	Score	.5
Exons	1210..1282		

Seq. No.	43458	Seq. ID	OJ000350_51.0315.C16
Gene No.	91107	Strand	+
Start	397	End	444
Name	OJ000350_51.0315.C16.o1.gs	Method	GENSCAN
Start	397	End	444
GI	none	Score	.78
Exons	397..444		

Seq. No.	43459	Seq. ID	OJ000350_51.0315.C18
Gene No.	91108	Strand	-
Start	266	End	474
Name	OJ000350_51.0315.C18.o1.gs	Method	GENSCAN
Start	266	End	474
GI	none	Score	.95
Exons	266..474		

Seq. No.	43459	Seq. ID	OJ000350_51.0315.C18
Gene No.	91108	Strand	-
Start	266	End	474
Name	OJ000350_51.0315.C18.o1.np	Method	AAT/NAP
Start	269	End	451

GI	6983860	Score	277
Exons	269..451		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91109	Strand	+
Start	6667	End	7189
Name	OJ000350_51.0315.C19.o1.gp	Method	AAT/GAP
Start	6667	End	7189
GI	uC-osf1M202048c12b1	Score	835
Exons	6667..7189		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91110	Strand	+
Start	10539	End	14227
Name	OJ000350_51.0315.C19.o3.gp	Method	AAT/GAP
Start	10128	End	10194
GI	uC-osroM202024h08a1	Score	81
Exons	10128..10194		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91110	Strand	+
Start	10539	End	14227
Name	OJ000350_51.0315.C19.o3.gs	Method	GENSCAN
Start	10539	End	14126
GI	none	Score	.45
Exons	10539..10753, 11482..12245, 12328..13382, 13412..13731, 13749..14126		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91110	Strand	+
Start	10539	End	14227
Name	OJ000350_51.0315.C19.o3.np	Method	AAT/NAP
Start	12643	End	14227
GI	7489805	Score	1166
Exons	12643..14227		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o10.tm	Method	TBLASTX:Maize
Start	2	End	242
GI	none	Score	36
Exons	2..28, 2..37, 30..146, 30..242		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.gs	Method	GENSCAN
Start	3	End	838

GI	none	Score	.88
Exons	3..397, 415..838		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.np	Method	AAT/NAP
Start	6	End	4908
GI	4680179	Score	5618
Exons	6..4382, 4792..4908		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o5.tw	Method	TBLASTX:Wheat
Start	51	End	389
GI	none	Score	71
Exons	51..389, 267..389		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.tm	Method	TBLASTX:Maize
Start	246	End	829
GI	none	Score	119
Exons	246..404, 372..557, 387..656, 392..670, 666..821, 668..829, 684..821		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.tw	Method	TBLASTX:Wheat
Start	392	End	1009
GI	none	Score	112
Exons	392..1009, 425..634, 495..1007		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o3.tm	Method	TBLASTX:Maize
Start	878	End	1170
GI	none	Score	287
Exons	878..1168, 882..1169, 897..1169, 937..1170		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.ts	Method	TBLASTX:Soybean
Start	968	End	1228
GI	none	Score	188
Exons	968..1228, 969..1226		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.tc	Method	TBLASTX:Cress

Start	992	End	1318
GI	none	Score	86
Exons	992..1135, 1011..1133, 1136..1318		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o3.tw	Method	TBLASTX:Wheat
Start	1016	End	1445
GI	none	Score	306
Exons	1016..1444, 1017..1445		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.gs	Method	GENSCAN
Start	1432	End	9621
GI	none	Score	.72
Exons	1432..4446, 4586..5344, 7730..7971, 9531..9621		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.tm	Method	TBLASTX:Maize
Start	1582	End	1935
GI	none	Score	49
Exons	1582..1935, 1589..1621, 1597..1929, 1667..1930		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.tw	Method	TBLASTX:Wheat
Start	1582	End	2008
GI	none	Score	224
Exons	1582..1932, 1582..2007, 1589..2008		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o3.ts	Method	TBLASTX:Soybean
Start	1753	End	2001
GI	none	Score	201
Exons	1753..2001		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o5.tm	Method	TBLASTX:Maize
Start	1972	End	14064
GI	none	Score	98
Exons	1972..2274, 2093..2221, 2329..2463, 13933..14064		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o6.tw	Method	TBLASTX:Wheat
Start	2009	End	2283

GI	none	Score	254
Exons	2009..2263, 2009..2269, 2011..2271, 2041..2283		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o1.ts	Method	TBLASTX:Soybean
Start	2023	End	14217
GI	none	Score	168
Exons	2023..2274, 2033..2263, 2080..2277, 2238..2381, 2302..2382, 2329..2382, 2386..2418, 2386..2418, 13978..14217		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o4.tw	Method	TBLASTX:Wheat
Start	2359	End	13974
GI	none	Score	202
Exons	2359..2841, 2401..2730, 2552..2845, 13682..13810, 13804..13974		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o4.tm	Method	TBLASTX:Maize
Start	2464	End	13929
GI	none	Score	308
Exons	2464..2709, 13585..13833, 13586..13819, 13800..13928, 13801..13929		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o4.ts	Method	TBLASTX:Soybean
Start	2491	End	13780
GI	none	Score	63
Exons	2491..2805, 13697..13780		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o10.tw	Method	TBLASTX:Wheat
Start	2980	End	3327
GI	none	Score	55
Exons	2980..3327, 3017..3148		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o8.tm	Method	TBLASTX:Maize
Start	3061	End	3381
GI	none	Score	190
Exons	3061..3381		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o7.tw	Method	TBLASTX:Wheat

Start	3682	End	4026
GI	none	Score	67
Exons	3682..4026, 3896..4000		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o6.tm	Method	TBLASTX:Maize
Start	3727	End	4026
GI	none	Score	47
Exons	3727..4026, 3728..3808, 3870..3908, 3896..4000		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o11.tw	Method	TBLASTX:Wheat
Start	4078	End	4260
GI	none	Score	133
Exons	4078..4260, 4079..4258		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.np	Method	AAT/NAP
Start	4583	End	5344
GI	4512229	Score	1227
Exons	4583..5344		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o2.gp	Method	AAT/GAP
Start	7054	End	7396
GI	uC-osroM202024h08a1	Score	83
Exons	7054..7076, 7326..7396		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o12.tw	Method	TBLASTX:Wheat
Start	11675	End	12049
GI	none	Score	187
Exons	11675..12049, 11824..12030		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o9.tm	Method	TBLASTX:Maize
Start	11693	End	11962
GI	none	Score	189
Exons	11693..11962, 11824..11961		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-

Start	3	End	14226
Name	OJ000350_51.0315.C19.o9.tw	Method	TBLASTX:Wheat
Start	12894	End	13253
GI	none	Score	93
Exons	12894..13025, 13031..13252, 13032..13253		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o13.tw	Method	TBLASTX:Wheat
Start	13454	End	13681
GI	none	Score	180
Exons	13454..13681		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o8.tw	Method	TBLASTX:Wheat
Start	14014	End	14226
GI	none	Score	254
Exons	14014..14226, 14067..14213		

Seq. No.	43460	Seq. ID	OJ000350_51.0315.C19
Gene No.	91111	Strand	-
Start	3	End	14226
Name	OJ000350_51.0315.C19.o7.tm	Method	TBLASTX:Maize
Start	14067	End	14226
GI	none	Score	198
Exons	14067..14216, 14068..14226		

Seq. No.	43461	Seq. ID	OJ000350_51.0315.C20
Gene No.	91112	Strand	-
Start	1	End	709
Name	OJ000350_51.0315.C20.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	none	Score	403
Exons	1..246, 308..360		

Seq. No.	43461	Seq. ID	OJ000350_51.0315.C20
Gene No.	91112	Strand	-
Start	1	End	709
Name	OJ000350_51.0315.C20.o1.gs	Method	GENSCAN
Start	87	End	709
GI	none	Score	.81
Exons	87..273, 280..601, 634..709		

Seq. No.	43462	Seq. ID	OJ000350_51.0315.C21
Gene No.	91113	Strand	-
Start	106	End	1182
Name	OJ000350_51.0315.C21.o1.gs	Method	GENSCAN
Start	106	End	1182
GI	none	Score	.97
Exons	106..1182		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91114	Strand	+
Start	9505	End	9887

Name	OJ000350_51.0315.C24.o1.gp	Method	AAT/GAP
Start	9505	End	9887
GI	uC-osf1cyp033a04b1	Score	688
Exons	9505..9887		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91115	Strand	+
Start	11270	End	12403
Name	OJ000350_51.0315.C24.o2.gs	Method	GENSCAN
Start	11270	End	12403
GI	none	Score	.92
Exons	11270..12403		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91116	Strand	+
Start	13378	End	14234
Name	OJ000350_51.0315.C24.o3.gs	Method	GENSCAN
Start	13378	End	14234
GI	none	Score	.5
Exons	13378..13591, 14131..14234		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o1.np	Method	AAT/NAP
Start	1	End	2588
GI	4680179	Score	2459
Exons	1..1229, 1257..2267, 2543..2588		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o1.ts	Method	TBLASTX:Soybean
Start	3	End	6079
GI	none	Score	82
Exons	3..119, 7..111, 64..219, 174..227, 184..225, 231..263, 232..261, 232..264, 5684..6043, 5685..5975, 6006..6041, 6047..6079, 6048..6077		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o5.tw	Method	TBLASTX:Wheat
Start	3	End	5971
GI	none	Score	119
Exons	3..116, 4..114, 5669..5971, 5685..5969, 5863..5970		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o3.tm	Method	TBLASTX:Maize
Start	3	End	6133
GI	none	Score	62
Exons	3..119, 19..66, 180..317, 5633..5947, 5676..5726, 5754..5807,		

5954..6133, 6006..6125

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o4.tw	Method	TBLASTX:Wheat
Start	204	End	6502
GI	none	Score	309
Exons	204..686, 247..687, 6020..6397, 6063..6398, 6452..6502		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o4.ts	Method	TBLASTX:Soybean
Start	336	End	6397
GI	none	Score	166
Exons	336..650, 6152..6397		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o5.tm	Method	TBLASTX:Maize
Start	385	End	6490
GI	none	Score	157
Exons	385..627, 387..677, 6201..6392, 6203..6394, 6203..6490		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o7.tw	Method	TBLASTX:Wheat
Start	819	End	6988
GI	none	Score	43
Exons	819..1172, 6635..6988, 6672..6815, 6909..6983		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o7.tm	Method	TBLASTX:Maize
Start	906	End	7075
GI	none	Score	186
Exons	906..1226, 6722..7075		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o6.tw	Method	TBLASTX:Wheat
Start	1506	End	1856
GI	none	Score	313
Exons	1506..1856		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o6.tm	Method	TBLASTX:Maize
Start	1551	End	1856
GI	none	Score	44
Exons	1551..1856, 1700..1777, 1750..1830		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o8.tw	Method	TBLASTX:Wheat
Start	1908	End	2106
GI	none	Score	58
Exons	1908..2102, 1908..2105, 1909..2106		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o3.np	Method	AAT/NAP
Start	1986	End	15788
GI	4680179	Score	4193
Exons	1986..2171, 4013..7066, 7100..7417, 15731..15788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o2.np	Method	AAT/NAP
Start	2533	End	3324
GI	6983858	Score	1305
Exons	2533..3324		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o1.tm	Method	TBLASTX:Maize
Start	4025	End	4489
GI	none	Score	219
Exons	4025..4330, 4026..4331, 4328..4489, 4335..4481, 4337..4486		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o1.tw	Method	TBLASTX:Wheat
Start	4043	End	4669
GI	none	Score	280
Exons	4043..4669, 4044..4613		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o4.tm	Method	TBLASTX:Maize
Start	4538	End	4830
GI	none	Score	208
Exons	4538..4828, 4542..4829, 4669..4830		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o2.ts	Method	TBLASTX:Soybean
Start	4628	End	4888

GI	none	Score	148
Exons	4628..4888, 4629..4883		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o1.tc	Method	TBLASTX:Cress
Start	4652	End	4969
GI	none	Score	85
Exons	4652..4795, 4653..4793, 4796..4969		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o2.tw	Method	TBLASTX:Wheat
Start	4676	End	5240
GI	none	Score	335
Exons	4676..5239, 4677..5240		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o2.tm	Method	TBLASTX:Maize
Start	5234	End	5597
GI	none	Score	176
Exons	5234..5596, 5243..5596, 5247..5597		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o3.tw	Method	TBLASTX:Wheat
Start	5243	End	5668
GI	none	Score	347
Exons	5243..5668, 5247..5636		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o3.ts	Method	TBLASTX:Soybean
Start	5417	End	5662
GI	none	Score	66
Exons	5417..5662, 5517..5645		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o4.np	Method	AAT/NAP
Start	10043	End	15788
GI	5852180	Score	613
Exons	10043..10071, 14480..14520, 15225..15637, 15689..15788		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43463	Seq. ID	OJ000350_51.0315.C24
Gene No.	91117	Strand	-
Start	1	End	15788
Name	OJ000350_51.0315.C24.o4.gs	Method	GENSCAN
Start	15077	End	15571

GI	none	Score	.77
Exons	15077..15571		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91118	Strand	+
Start	5780	End	10249
Name	OJ000350_51.0315.C25.o2.np	Method	AAT/NAP
Start	5780	End	10249
GI	4680179	Score	5640
Exons	5780..6842, 6870..10249		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91119	Strand	-
Start	1	End	856
Name	OJ000350_51.0315.C25.o1.np	Method	AAT/NAP
Start	1	End	856
GI	6721516	Score	236
Exons	1..58, 620..856		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91120	Strand	
Start	5993	End	6191
Name	OJ000350_51.0315.C25.o9.tw	Method	TBLASTX:Wheat
Start	5993	End	6191
GI	none	Score	202
Exons	5993..6190, 5994..6191		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91121	Strand	
Start	6243	End	6593
Name	OJ000350_51.0315.C25.o5.tm	Method	TBLASTX:Maize
Start	6243	End	6581
GI	none	Score	253
Exons	6243..6581		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91121	Strand	
Start	6243	End	6593
Name	OJ000350_51.0315.C25.o6.tw	Method	TBLASTX:Wheat
Start	6243	End	6593
GI	none	Score	312
Exons	6243..6593, 6333..6437		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91122	Strand	
Start	6927	End	7280
Name	OJ000350_51.0315.C25.o8.tw	Method	TBLASTX:Wheat
Start	6927	End	7280
GI	none	Score	251
Exons	6927..7280, 7017..7205		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91123	Strand	
Start	7284	End	7475
Name	OJ000350_51.0315.C25.o7.tm	Method	TBLASTX:Maize

Start	7284	End	7475
GI	none	Score	188
Exons	7284..7475, 7322..7429		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o4.tw	Method	TBLASTX:Wheat
Start	7412	End	7896
GI	none	Score	527
Exons	7412..7852, 7413..7895, 7437..7892, 7522..7896		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o4.ts	Method	TBLASTX:Soybean
Start	7449	End	7763
GI	none	Score	198
Exons	7449..7763		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o4.tm	Method	TBLASTX:Maize
Start	7478	End	7949
GI	none	Score	394
Exons	7478..7720, 7482..7949		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o1.ts	Method	TBLASTX:Soybean
Start	7836	End	8231
GI	none	Score	49
Exons	7836..7868, 7836..7868, 7872..8231, 7874..7915, 7988..8221		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o5.tw	Method	TBLASTX:Wheat
Start	7944	End	8213
GI	none	Score	376
Exons	7944..8213, 7944..8201, 7985..8212		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o6.tm	Method	TBLASTX:Maize
Start	7950	End	8115
GI	none	Score	201
Exons	7950..8111, 7963..8115, 7985..8110		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o2.tm	Method	TBLASTX:Maize
Start	8127	End	8567

GI	none	Score	436
Exons	8127..8534, 8180..8503, 8331..8519, 8526..8567		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o3.tw	Method	TBLASTX:Wheat
Start	8216	End	8632
GI	none	Score	573
Exons	8216..8614, 8217..8630, 8295..8630, 8375..8632, 8422..8631		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91124	Strand	
Start	7412	End	8632
Name	OJ000350_51.0315.C25.o3.ts	Method	TBLASTX:Soybean
Start	8253	End	8501
GI	none	Score	207
Exons	8253..8501		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o2.tw	Method	TBLASTX:Wheat
Start	8699	End	9238
GI	none	Score	629
Exons	8699..9238, 8881..9234		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o1.tc	Method	TBLASTX:Cress
Start	8936	End	9262
GI	none	Score	92
Exons	8936..9118, 9119..9262, 9121..9261		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o2.ts	Method	TBLASTX:Soybean
Start	9026	End	9286
GI	none	Score	301
Exons	9026..9286, 9037..9285		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o3.tm	Method	TBLASTX:Maize
Start	9084	End	9376
GI	none	Score	79
Exons	9084..9185, 9084..9371, 9085..9372, 9086..9376		

Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o1.tw	Method	TBLASTX:Wheat
Start	9245	End	9871
GI	none	Score	715

Exons	9245..9871, 9301..9750, 9811..9870		
Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o1.tm	Method	TBLASTX:Maize
Start	9424	End	10009
GI	none	Score	229
Exons	9424..9570, 9425..9586, 9445..9588, 9489..9575, 9584..10009, 9598..9747, 9811..10008		
Seq. No.	43464	Seq. ID	OJ000350_51.0315.C25
Gene No.	91125	Strand	
Start	8699	End	10204
Name	OJ000350_51.0315.C25.o7.tw	Method	TBLASTX:Wheat
Start	9871	End	10204
GI	none	Score	309
Exons	9871..10086, 9872..10204, 10022..10153		
Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.np	Method	AAT/NAP
Start	1	End	1566
GI	6983860	Score	2344
Exons	1..1415, 1465..1566		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o2.tw	Method	TBLASTX:Wheat
Start	22	End	562
GI	none	Score	614
Exons	22..561, 204..557, 416..562		
Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.gs	Method	GENSCAN
Start	101	End	1311
GI	none	Score	.45
Exons	101..1311		
Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.tc	Method	TBLASTX:Cress
Start	259	End	585
GI	none	Score	90
Exons	259..441, 442..585, 453..584		
Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.ts	Method	TBLASTX:Soybean

Start	349	End	609
GI	none	Score	295
Exons	349..609, 360..608		

Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o2.tm	Method	TBLASTX:Maize
Start	408	End	699
GI	none	Score	162
Exons	408..695, 408..695, 409..699		

Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.tw	Method	TBLASTX:Wheat
Start	568	End	1194
GI	none	Score	735
Exons	568..1194, 624..1073		

Seq. No.	43465	Seq. ID	OJ000350_51.0315.C26
Gene No.	91126	Strand	+
Start	1	End	1566
Name	OJ000350_51.0315.C26.o1.tm	Method	TBLASTX:Maize
Start	747	End	1331
GI	none	Score	232
Exons	747..902, 748..909, 906..1070, 907..1254, 1185..1247, 1254..1331, 1256..1330		

Seq. No.	43466	Seq. ID	OJ000350_51.0315.C28
Gene No.	91127	Strand	-
Start	22	End	412
Name	OJ000350_51.0315.C28.o1.gs	Method	GENSCAN
Start	22	End	412
GI	none	Score	.63
Exons	22..258, 296..412		

Seq. No.	43467	Seq. ID	OJ000350_53.0315.C8
Gene No.	91128	Strand	+
Start	1	End	1187
Name	OJ000350_53.0315.C8.o1.np	Method	AAT/NAP
Start	1	End	1187
GI	6063554	Score	100
Exons	1..167, 1027..1187		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43467	Seq. ID	OJ000350_53.0315.C8
Gene No.	91128	Strand	+
Start	1	End	1187
Name	OJ000350_53.0315.C8.o1.gs	Method	GENSCAN
Start	384	End	481
GI	none	Score	.85
Exons	384..481		

Seq. No.	43467	Seq. ID	OJ000350_53.0315.C8

Gene No.	91129	Strand	-
Start	590	End	1110
Name	OJ000350_53.0315.C8.o1.gp	Method	AAT/GAP
Start	590	End	1110
GI	uC-osf1M202048c12b1	Score	805
Exons	590..1110		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o1.np	Method	AAT/NAP
Start	1	End	2416
GI	4378066	Score	1079
Exons	1..153, 771..2416		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o1.gs	Method	GENSCAN
Start	151	End	2196
GI	none	Score	.5
Exons	151..271, 354..580, 749..1013, 1102..1544, 1578..1709, 1761..2196		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o3.tw	Method	TBLASTX:Wheat
Start	971	End	1331
GI	none	Score	71
Exons	971..1084, 1109..1330, 1155..1331		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o1.tw	Method	TBLASTX:Wheat
Start	1586	End	1991
GI	none	Score	397
Exons	1586..1990, 1587..1991		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	1664	End	2021
GI	none	Score	104
Exons	1664..1957, 1664..2020, 1707..2021, 1731..2021		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o2.tw	Method	TBLASTX:Wheat

Start	1991	End	2278
GI	none	Score	209
Exons	1991..2059, 1992..2189, 2213..2278, 2224..2277		

Seq. No.	43468	Seq. ID	OJ000350_53.0315.C9
Gene No.	91130	Strand	+
Start	1	End	2416
Name	OJ000350_53.0315.C9.o2.tm	Method	TBLASTX:Maize
Start	2025	End	2368
GI	none	Score	139
Exons	2025..2228, 2027..2050, 2064..2186, 2200..2328, 2201..2368		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91131	Strand	+
Start	1	End	4330
Name	OJ000350_53.0315.C10.o1.np	Method	AAT/NAP
Start	1	End	2944
GI	4378066	Score	435
Exons	1..575, 2902..2944		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91131	Strand	+
Start	1	End	4330
Name	OJ000350_53.0315.C10.o2.np	Method	AAT/NAP
Start	1	End	4330
GI	5852180	Score	336
Exons	1..76, 2804..2956, 3957..4330		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91131	Strand	+
Start	1	End	4330
Name	OJ000350_53.0315.C10.o1.gp	Method	AAT/GAP
Start	2290	End	2594
GI	61605_3.R1084	Score	445
Exons	2290..2594		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91132	Strand	+
Start	6983	End	7293
Name	OJ000350_53.0315.C10.o2.gp	Method	AAT/GAP
Start	6983	End	7293
GI	61605_3.R1084	Score	445
Exons	6983..7293		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o2.tw	Method	TBLASTX:Wheat
Start	106	End	537

GI	none	Score	123
Exons	106..222, 107..226, 253..537		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o3.np	Method	AAT/NAP
Start	2570	End	6494
GI	6983860	Score	956
Exons	2570..2608, 5445..6494		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o2.gs	Method	GENSCAN
Start	5379	End	6494
GI	none	Score	.55
Exons	5379..6494		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	5799	End	6095
GI	none	Score	47
Exons	5799..5867, 5799..6095, 5908..6072, 5916..6092		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o3.tw	Method	TBLASTX:Wheat
Start	5799	End	5976
GI	none	Score	98
Exons	5799..5975, 5902..5976		

Seq. No.	43469	Seq. ID	OJ000350_53.0315.C10
Gene No.	91133	Strand	-
Start	2570	End	6494
Name	OJ000350_53.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	5976	End	6332
GI	none	Score	78
Exons	5976..6332, 5977..6117, 6052..6126, 6159..6296, 6232..6324		

Seq. No.	43470	Seq. ID	OJ000350_53.0315.C11
Gene No.	91134	Strand	+
Start	1	End	875
Name	OJ000350_53.0315.C11.o2.np	Method	AAT/NAP
Start	1	End	875
GI	4680183	Score	126
Exons	1..67, 786..875		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43470	Seq. ID	OJ000350_53.0315.C11
Gene No.	91135	Strand	-
Start	591	End	753

Name	OJ000350_53.0315.C11.o1.gs	Method	GENSCAN
Start	591	End	753
GI	none	Score	.69
Exons	591..753		

Seq. No.	43470	Seq. ID	OJ000350_53.0315.C11
Gene No.	91136	Strand	-
Start	667	End	753
Name	OJ000350_53.0315.C11.o1.np	Method	AAT/NAP
Start	667	End	753
GI	6721561	Score	75
Exons	667..753		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43471	Seq. ID	OJ000350_53.0315.C12
Gene No.	91137	Strand	+
Start	367	End	600
Name	OJ000350_53.0315.C12.o1.gs	Method	GENSCAN
Start	367	End	600
GI	none	Score	.64
Exons	367..600		

Seq. No.	43471	Seq. ID	OJ000350_53.0315.C12
Gene No.	91138	Strand	-
Start	284	End	812
Name	OJ000350_53.0315.C12.o1.np	Method	AAT/NAP
Start	284	End	812
GI	5852180	Score	258
Exons	284..812		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.gs	Method	GENSCAN
Start	100	End	5675
GI	none	Score	.88
Exons	100..501, 528..4616, 4843..4871, 4910..5675		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.np	Method	AAT/NAP
Start	103	End	4619
GI	4680179	Score	5424
Exons	103..3503, 3537..4619		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o6.tw	Method	TBLASTX:Wheat
Start	148	End	484

GI	none	Score	95
Exons	148..483, 169..477, 212..484		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	328	End	926
GI	none	Score	77
Exons	328..498, 344..493, 486..767, 487..768, 765..926, 772..918		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.tw	Method	TBLASTX:Wheat
Start	486	End	1106
GI	none	Score	50
Exons	486..1106, 495..605, 592..1050		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o4.tm	Method	TBLASTX:Maize
Start	975	End	1266
GI	none	Score	206
Exons	975..1265, 979..1266		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o2.ts	Method	TBLASTX:Soybean
Start	1065	End	1325
GI	none	Score	149
Exons	1065..1325, 1066..1320, 1074..1322		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.tc	Method	TBLASTX:Cress
Start	1089	End	1406
GI	none	Score	75
Exons	1089..1232, 1090..1230, 1233..1406		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o2.tw	Method	TBLASTX:Wheat
Start	1113	End	1680
GI	none	Score	342
Exons	1113..1649, 1117..1680		

Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o2.tm	Method	TBLASTX:Maize
Start	1671	End	2034
GI	none	Score	167

Exons	1671..2033, 1680..2033, 1684..2034		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o3.tw	Method	TBLASTX:Wheat
Start	1683	End	2105
GI	none	Score	349
Exons	1683..2105, 1684..2073		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o3.ts	Method	TBLASTX:Soybean
Start	1854	End	2099
GI	none	Score	66
Exons	1854..2099, 1954..2082		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o3.tm	Method	TBLASTX:Maize
Start	2070	End	2570
GI	none	Score	60
Exons	2070..2384, 2112..2222, 2191..2319, 2391..2570, 2416..2562		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o5.tw	Method	TBLASTX:Wheat
Start	2106	End	2408
GI	none	Score	192
Exons	2106..2408, 2112..2405, 2122..2406, 2327..2407		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	2120	End	2516
GI	none	Score	223
Exons	2120..2389, 2121..2480, 2122..2412, 2440..2478, 2484..2516, 2485..2514		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o4.tw	Method	TBLASTX:Wheat
Start	2457	End	2939
GI	none	Score	257
Exons	2457..2834, 2500..2835, 2889..2939		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o2.tc	Method	TBLASTX:Cress
Start	2493	End	2810
GI	none	Score	180

Exons	2493..2810		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o5.tm	Method	TBLASTX:Maize
Start	2638	End	2927
GI	none	Score	169
Exons	2638..2829, 2640..2927		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o8.tw	Method	TBLASTX:Wheat
Start	3054	End	3476
GI	none	Score	69
Exons	3054..3221, 3109..3222, 3267..3476, 3268..3420		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o7.tm	Method	TBLASTX:Maize
Start	3159	End	3512
GI	none	Score	189
Exons	3159..3512		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o9.tw	Method	TBLASTX:Wheat
Start	3792	End	4022
GI	none	Score	175
Exons	3792..4022		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o6.tm	Method	TBLASTX:Maize
Start	3837	End	4142
GI	none	Score	93
Exons	3837..4142, 4012..4128		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o7.tw	Method	TBLASTX:Wheat
Start	4023	End	4385
GI	none	Score	139
Exons	4023..4385, 4024..4383		
Seq. No.	43472	Seq. ID	OJ000350_53.0315.C13
Gene No.	91139	Strand	-
Start	100	End	5675
Name	OJ000350_53.0315.C13.o1.gp	Method	AAT/GAP
Start	4946	End	5400
GI	95437_1.R1084	Score	782
Exons	4946..5400		

GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o1.np	Method	AAT/NAP
Start	430	End	8080
GI	4680179	Score	5635
Exons	430..3810, 3838..4788, 7966..8080		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o6.tw	Method	TBLASTX:Wheat
Start	475	End	808
GI	none	Score	141
Exons	475..807, 527..808		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o1.tm	Method	TBLASTX:Maize
Start	670	End	1255
GI	none	Score	104
Exons	670..1095, 671..868, 691..936, 932..1096, 1091..1234, 1093..1254, 1100..1255		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o1.tw	Method	TBLASTX:Wheat
Start	808	End	1434
GI	none	Score	44
Exons	808..1434, 809..868, 850..1062, 929..1375, 1087..1425		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o3.tm	Method	TBLASTX:Maize
Start	1303	End	1594
GI	none	Score	296
Exons	1303..1593, 1307..1594, 1307..1594		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o2.ts	Method	TBLASTX:Soybean
Start	1393	End	1653
GI	none	Score	183
Exons	1393..1653, 1394..1642		
Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080

Name	OJ000350_53.0315.C14.o1.tc	Method	TBLASTX:Cress
Start	1417	End	1743
GI	none	Score	84
Exons	1417..1560, 1436..1558, 1561..1743		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o2.tw	Method	TBLASTX:Wheat
Start	1440	End	1980
GI	none	Score	132
Exons	1440..1694, 1441..1980, 1445..1696, 1748..1798		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o2.tm	Method	TBLASTX:Maize
Start	2008	End	2361
GI	none	Score	209
Exons	2008..2361, 2015..2356		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o3.tw	Method	TBLASTX:Wheat
Start	2008	End	2433
GI	none	Score	209
Exons	2008..2358, 2008..2433, 2015..2431		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o3.ts	Method	TBLASTX:Soybean
Start	2179	End	2427
GI	none	Score	206
Exons	2179..2427		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o5.tm	Method	TBLASTX:Maize
Start	2368	End	2700
GI	none	Score	144
Exons	2368..2700, 2369..2647		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o5.tw	Method	TBLASTX:Wheat
Start	2434	End	2717
GI	none	Score	256
Exons	2434..2697, 2435..2698, 2643..2717		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o1.ts	Method	TBLASTX:Soybean

Start	2449	End	2844
GI	none	Score	189
Exons	2449..2700, 2459..2692, 2755..2808, 2765..2806, 2812..2844, 2813..2842		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o4.tm	Method	TBLASTX:Maize
Start	2755	End	3202
GI	none	Score	62
Exons	2755..3198, 2960..3202		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o4.tw	Method	TBLASTX:Wheat
Start	2785	End	3268
GI	none	Score	311
Exons	2785..3267, 2828..3268		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o4.ts	Method	TBLASTX:Soybean
Start	2917	End	3231
GI	none	Score	193
Exons	2917..3231		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o7.tm	Method	TBLASTX:Maize
Start	3203	End	3396
GI	none	Score	155
Exons	3203..3358, 3205..3396		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o8.tw	Method	TBLASTX:Wheat
Start	3400	End	3753
GI	none	Score	62
Exons	3400..3753, 3475..3663		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o7.tw	Method	TBLASTX:Wheat
Start	4112	End	4441
GI	none	Score	84
Exons	4112..4438, 4193..4441		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o6.tm	Method	TBLASTX:Maize

Start	4133	End	4438
GI	none	Score	99
Exons	4133..4438, 4193..4438		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o9.tw	Method	TBLASTX:Wheat
Start	4490	End	4688
GI	none	Score	118
Exons	4490..4687, 4491..4688		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o2.gs	Method	GENSCAN
Start	5118	End	8080
GI	none	Score	.5
Exons	5118..5597, 6346..6446, 6655..6710, 7483..7653, 7789..8080		

Seq. No.	43473	Seq. ID	OJ000350_53.0315.C14
Gene No.	91140	Strand	-
Start	430	End	8080
Name	OJ000350_53.0315.C14.o1.gp	Method	AAT/GAP
Start	6319	End	6704
GI	uC-osf1cyp033a04b1	Score	633
Exons	6319..6704		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91141	Strand	+
Start	5033	End	6269
Name	OJ000350_53.0315.C15.o3.np	Method	AAT/NAP
Start	4959	End	6269
GI	5852179	Score	249
Exons	4959..5204, 5279..5579, 6201..6269		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91141	Strand	+
Start	5033	End	6269
Name	OJ000350_53.0315.C15.o3.gs	Method	GENSCAN
Start	5033	End	5545
GI	none	Score	.99
Exons	5033..5545		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91142	Strand	-
Start	102	End	1650
Name	OJ000350_53.0315.C15.o1.gs	Method	GENSCAN
Start	102	End	1650
GI	none	Score	.68
Exons	102..1650		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91142	Strand	-

Start	102	End	1650
Name	OJ000350_53.0315.C15.o1.np	Method	AAT/NAP
Start	105	End	1650
GI	6983860	Score	2182
Exons	105..299, 555..1650		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	198
GI	none	Score	160
Exons	1..198, 2..160		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o2.tw	Method	TBLASTX:Wheat
Start	202	End	555
GI	none	Score	261
Exons	202..555		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o1.tw	Method	TBLASTX:Wheat
Start	889	End	1239
GI	none	Score	313
Exons	889..1239		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o1.tm	Method	TBLASTX:Maize
Start	934	End	1239
GI	none	Score	67
Exons	934..1239, 1090..1239		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o3.tw	Method	TBLASTX:Wheat
Start	1291	End	1489
GI	none	Score	51
Exons	1291..1464, 1291..1488, 1292..1489		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15
Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o2.gs	Method	GENSCAN
Start	1917	End	2717
GI	none	Score	.97
Exons	1917..2717		

Seq. No.	43474	Seq. ID	OJ000350_53.0315.C15

Gene No.	91143	Strand	-
Start	1917	End	2717
Name	OJ000350_53.0315.C15.o2.np	Method	AAT/NAP
Start	1920	End	2717
GI	6983861	Score	1324
Exons	1920..2717		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91144	Strand	-
Start	604	End	3238
Name	OJ000350_53.0315.C16.o1.gs	Method	GENSCAN
Start	604	End	3238
GI	none	Score	.62
Exons	604..808, 926..1242, 1338..2306, 2423..3238		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o2.tw	Method	TBLASTX:Wheat
Start	1017	End	6362
GI	none	Score	122
Exons	1017..1076, 5943..6362, 6045..6260, 6049..6309		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o1.np	Method	AAT/NAP
Start	4305	End	9074
GI	4378066	Score	2618
Exons	4305..8731, 9034..9074		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o2.gs	Method	GENSCAN
Start	4356	End	8891
GI	none	Score	.57
Exons	4356..4641, 4924..7112, 7166..7676, 7697..7889, 7894..8485, 8541..8891		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o2.ts	Method	TBLASTX:Soybean
Start	4389	End	4763
GI	none	Score	83
Exons	4389..4613, 4620..4763		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o3.tm	Method	TBLASTX:Maize

Start	4404	End	4766
GI	none	Score	215
Exons	4404..4766, 4405..4674		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o4.tw	Method	TBLASTX:Wheat
Start	4536	End	4925
GI	none	Score	229
Exons	4536..4925		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o4.tm	Method	TBLASTX:Maize
Start	4767	End	5036
GI	none	Score	88
Exons	4767..5036, 4768..4989		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o3.tw	Method	TBLASTX:Wheat
Start	5235	End	5666
GI	none	Score	91
Exons	5235..5666, 5314..5526		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o5.tw	Method	TBLASTX:Wheat
Start	5667	End	5858
GI	none	Score	63
Exons	5667..5858, 5668..5856		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o1.ts	Method	TBLASTX:Soybean
Start	5934	End	6317
GI	none	Score	72
Exons	5934..6317, 6045..6251, 6124..6267		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o2.tm	Method	TBLASTX:Maize
Start	6036	End	6419
GI	none	Score	192
Exons	6036..6419, 6049..6309		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o1.tm	Method	TBLASTX:Maize
Start	6447	End	6804

GI	none	Score	151
Exons	6447..6761, 6447..6803, 6448..6804, 6547..6804		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o1.tw	Method	TBLASTX:Wheat
Start	6477	End	6932
GI	none	Score	289
Exons	6477..6932, 6478..6906		

Seq. No.	43475	Seq. ID	OJ000350_53.0315.C16
Gene No.	91145	Strand	-
Start	4356	End	9074
Name	OJ000350_53.0315.C16.o5.tm	Method	TBLASTX:Maize
Start	8427	End	8696
GI	none	Score	193
Exons	8427..8696		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91146	Strand	+
Start	13014	End	14300
Name	OJ000350_53.0315.C17.o3.np	Method	AAT/NAP
Start	13014	End	14300
GI	5852181	Score	51
Exons	13014..13254, 14081..14300		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o1.np	Method	AAT/NAP
Start	1	End	1006
GI	6983861	Score	452
Exons	1..19, 712..1006		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o1.gs	Method	GENSCAN
Start	689	End	5685
GI	none	Score	.62
Exons	689..1006, 3321..3752, 3764..3900, 4138..4184, 4546..4645, 5022..5318, 5649..5685		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o2.np	Method	AAT/NAP
Start	4759	End	7752
GI	6630685	Score	297
Exons	4759..4902, 7065..7454, 7496..7752		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	7058	End	7378
GI	5509260	Score	63
Exons	7058..7174, 7157..7264, 7169..7300, 7326..7376, 7328..7378		
GI Descrip.	-		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	7091	End	7474
GI	none	Score	176
Exons	7091..7315, 7091..7309, 7319..7405, 7319..7474		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o2.gs	Method	GENSCAN
Start	7124	End	15045
GI	none	Score	.51
Exons	7124..7273, 7334..7410, 11043..11102, 11895..12121, 12420..12492, 12523..12665, 13703..13918, 14028..14169, 14203..14314, 14971..15045		

Seq. No.	43476	Seq. ID	OJ000350_53.0315.C17
Gene No.	91147	Strand	-
Start	1	End	15045
Name	OJ000350_53.0315.C17.o4.np	Method	AAT/NAP
Start	12095	End	14418
GI	7340881	Score	104
Exons	12095..12162, 13728..13972, 14015..14132, 14199..14418		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43477	Seq. ID	OJ000350_53.0315.C18
Gene No.	91148	Strand	+
Start	8032	End	8940
Name	OJ000350_53.0315.C18.o2.tm	Method	TBLASTX:Maize
Start	4435	End	6814
GI	none	Score	39
Exons	4435..4485, 4458..4484, 4484..4717, 4489..4788, 4489..4788, 4493..4798, 4763..4792, 6644..6814		

Seq. No.	43477	Seq. ID	OJ000350_53.0315.C18
Gene No.	91148	Strand	+
Start	8032	End	8940
Name	OJ000350_53.0315.C18.o1.tm	Method	TBLASTX:Maize
Start	4922	End	6615
GI	none	Score	303
Exons	4922..5257, 4922..5176, 4928..5257, 4928..5173, 4974..5183, 5098..5259, 5137..5253, 5138..5257, 5138..5629, 5142..5357, 5318..5464, 5338..5481, 5360..5464, 5360..5680, 5371..5475, 5512..5694, 5521..5625, 5521..5691, 5534..5839, 5582..5851, 5582..6073, 5769..5858, 5803..5895, 5804..6295, 5900..6067, 5954..6283, 5965..6072, 6026..6511, 6029..6514, 6084..6293,		

6247..6342, 6247..6483, 6248..6532, 6260..6553, 6423..6572, 6473..6553, 6474..6572, 6568..6615

Seq. No.	43477	Seq. ID	OJ000350_53.0315.C18
Gene No.	91148	Strand	+
Start	8032	End	8940
Name	OJ000350_53.0315.C18.o3.gs	Method	GENSCAN
Start	8032	End	8940
GI	none	Score	.4
Exons	8032..8109, 8146..8940		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91149	Strand	+
Start	752	End	1005
Name	OJ000350_53.0315.C21.o1.gs	Method	GENSCAN
Start	752	End	1005
GI	none	Score	.62
Exons	752..840, 859..1005		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91150	Strand	+
Start	5149	End	5582
Name	OJ000350_53.0315.C21.o2.np	Method	AAT/NAP
Start	4967	End	5582
GI	7340881	Score	229
Exons	4967..5072, 5219..5342, 5435..5582		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91150	Strand	+
Start	5149	End	5582
Name	OJ000350_53.0315.C21.o3.gs	Method	GENSCAN
Start	5149	End	5526
GI	none	Score	.58
Exons	5149..5342, 5435..5526		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91151	Strand	-
Start	1822	End	3212
Name	OJ000350_53.0315.C21.o1.np	Method	AAT/NAP
Start	1822	End	3212
GI	7489805	Score	1000
Exons	1822..3212		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91151	Strand	-
Start	1822	End	3212
Name	OJ000350_53.0315.C21.o1.ts	Method	TBLASTX:Soybean
Start	2398	End	2772
GI	none	Score	95
Exons	2398..2622, 2629..2772		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91151	Strand	-
Start	1822	End	3212

Name	OJ000350_53.0315.C21.o1.tm	Method	TBLASTX:Maize
Start	2413	End	2776
GI	none	Score	84
Exons	2413..2535, 2413..2775, 2414..2776		

Seq. No.	43478	Seq. ID	OJ000350_53.0315.C21
Gene No.	91151	Strand	-
Start	1822	End	3212
Name	OJ000350_53.0315.C21.o1.tw	Method	TBLASTX:Wheat
Start	2545	End	2934
GI	none	Score	243
Exons	2545..2934		

Seq. No.	43479	Seq. ID	OJ000350_53.0315.C25
Gene No.	91152	Strand	+
Start	232	End	828
Name	OJ000350_53.0315.C25.o1.gs	Method	GENSCAN
Start	232	End	828
GI	none	Score	.52
Exons	232..280, 379..501, 503..602, 658..828		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91153	Strand	+
Start	413	End	2326
Name	OJ000350_52.0314.C2.o1.gs	Method	GENSCAN
Start	413	End	2326
GI	none	Score	.56
Exons	413..777, 862..954, 1046..1217, 2178..2326		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91154	Strand	+
Start	10140	End	14158
Name	OJ000350_52.0314.C2.o3.gp	Method	AAT/GAP
Start	9681	End	10102
GI	uC-osf1cyp106h06a1	Score	392
Exons	9681..9797, 9987..10102		
GI Descrip.	'4680189/gb\|AF111710.1\|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91154	Strand	+
Start	10140	End	14158
Name	OJ000350_52.0314.C2.o3.gs	Method	GENSCAN
Start	10140	End	14049
GI	none	Score	.75
Exons	10140..10982, 11281..11352, 12283..12326, 12623..12718, 13755..14049		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91154	Strand	+
Start	10140	End	14158
Name	OJ000350_52.0314.C2.o3.np	Method	AAT/NAP
Start	10386	End	12504
GI	7489325	Score	459
Exons	10386..10595, 10635..10982, 11281..11352, 12427..12504		

GI Descrip.	Dc3 promoter-binding factor-3 - common sunflower (fragment) gi\|3273764\|gb\|AAC24835.1\| (AF061870) Dc3 promoter-binding factor-3 [Helianthus annuus]		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91154	Strand	+
Start	10140	End	14158
Name	OJ000350_52.0314.C2.o4.gp	Method	AAT/GAP
Start	13635	End	14158
GI	LIB3434-029-P1-K1-D5	Score	942
Exons	13635..14158		
GI Descrip.	'9611/emb\|X00593\|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene'		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91155	Strand	+
Start	25016	End	26515
Name	OJ000350_52.0314.C2.o6.gs	Method	GENSCAN
Start	25016	End	26515
GI	none	Score	.77
Exons	25016..25265, 26091..26192, 26318..26440, 26475..26515		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91155	Strand	+
Start	25016	End	26515
Name	OJ000350_52.0314.C2.o7.np	Method	AAT/NAP
Start	25139	End	26512
GI	6094049	Score	427
Exons	25139..25265, 26091..26192, 26318..26386, 26475..26512		
GI Descrip.	60S RIBOSOMAL PROTEIN L30 gi\|2668750 (AF034949) ribosomal protein L30 [Zea mays]		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91156	Strand	-
Start	4304	End	8436
Name	OJ000350_52.0314.C2.o1.gp	Method	AAT/GAP
Start	4028	End	7496
GI	452_1.R1084	Score	2361
Exons	4028..4582, 4706..4787, 5095..5213, 5555..5674, 6002..6072, 6600..6760, 7320..7496		
GI Descrip.	'1703380/sp\|P51823\|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91156	Strand	-
Start	4304	End	8436
Name	OJ000350_52.0314.C2.o2.gs	Method	GENSCAN
Start	4304	End	8436
GI	none	Score	.91
Exons	4304..4312, 4706..4787, 5095..5213, 5555..5674, 6002..6072, 6600..6760, 8282..8436		
Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91156	Strand	-
Start	4304	End	8436
Name	OJ000350_52.0314.C2.o2.np	Method	AAT/NAP

Start	4703	End	6747
GI	1703380	Score	815
Exons	4703..4787, 5095..5213, 5555..5674, 6002..6072, 6600..6747		
GI Descrip.	ADP-RIBOSYLATION FACTOR gi\|1132483\|dbj\|BAA04607\| (D17760) ADP-ribosylation factor [Oryza sativa]		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91157	Strand	-
Start	14568	End	21721
Name	OJ000350_52.0314.C2.o4.gs	Method	GENSCAN
Start	14568	End	21721
GI	none	Score	.54
Exons	14568..14575, 15255..15330, 15768..15842, 15937..16067, 16755..16780, 16905..17065, 18202..18339, 18370..18516, 18647..18706, 18896..19103, 19545..19777, 20880..20934, 21043..21550, 21562..21721		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91157	Strand	-
Start	14568	End	21721
Name	OJ000350_52.0314.C2.o5.gp	Method	AAT/GAP
Start	14593	End	15330
GI	3762651	Score	700
Exons	14593..14897, 15255..15330		
GI Descrip.	9611/emb\|X00593\|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91157	Strand	-
Start	14568	End	21721
Name	OJ000350_52.0314.C2.o4.np	Method	AAT/NAP
Start	18343	End	21721
GI	860676	Score	1892
Exons	18343..18516, 18647..18706, 18896..19103, 19545..19777, 19873..19983, 20880..20934, 21017..21721		
GI Descrip.	(U24188) calcium/calmodulin-dependent protein kinase [Lilium longiflorum] gi\|1097385\|prf\|\|2113422A Ca/calmodulin-dependent protein kinase [Lilium longiflorum]		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91158	Strand	-
Start	22729	End	24805
Name	OJ000350_52.0314.C2.o5.gs	Method	GENSCAN
Start	22729	End	24805
GI	none	Score	.83
Exons	22729..23717, 23765..23904, 23931..24805		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91159	Strand	-
Start	26600	End	26854
Name	OJ000350_52.0314.C2.o6.gp	Method	AAT/GAP
Start	26600	End	26854
GI	2799381	Score	429
Exons	26600..26854		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054

Name	OJ000350_52.0314.C2.o5.ts	Method	TBLASTX:Soybean
Start	103	End	537
GI	none	Score	185
Exons	103..477, 493..537		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o8.tm	Method	TBLASTX:Maize
Start	4546	End	5677
GI	none	Score	49
Exons	4546..4584, 4699..4788, 4700..4792, 4701..4787, 4705..4788, 5091..5216, 5091..5216, 5093..5224, 5554..5670, 5554..5676, 5555..5677		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o5.tw	Method	TBLASTX:Wheat
Start	4683	End	5640
GI	none	Score	110
Exons	4683..4787, 4706..4792, 4708..4788, 5075..5176, 5089..5175, 5091..5216, 5092..5187, 5554..5640, 5554..5637, 5555..5638		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o3.ts	Method	TBLASTX:Soybean
Start	4699	End	6762
GI	none	Score	109
Exons	4699..4788, 4704..4787, 4706..4792, 5091..5216, 5092..5187, 5538..5675, 5554..5667, 5555..5677, 5555..5677, 5991..6065, 5996..6079, 6003..6080, 6598..6762, 6599..6760		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o2.tc	Method	TBLASTX:Cress
Start	4705	End	6793
GI	none	Score	108
Exons	4705..4788, 4706..4792, 4707..4787, 5091..5177, 5091..5177, 5092..5181, 5178..5216, 5554..5664, 5555..5677, 5558..5677, 5991..6071, 5996..6079, 6003..6080, 6210..6233, 6598..6786, 6599..6793, 6602..6787		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o3.tw	Method	TBLASTX:Wheat
Start	5640	End	6762
GI	none	Score	64
Exons	5640..5675, 5641..5676, 5642..5677, 5642..5677, 5996..6079, 5997..6080, 6595..6756, 6598..6762, 6599..6760		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054

Name	OJ000350_52.0314.C2.o5.tm	Method	TBLASTX:Maize
Start	6014	End	6906
GI	none	Score	91
Exons	6014..6079, 6015..6080, 6598..6753, 6599..6754, 6844..6906, 6845..6892		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o1.tm	Method	TBLASTX:Maize
Start	10193	End	10987
GI	none	Score	78
Exons	10193..10321, 10193..10336, 10218..10337, 10386..10598, 10403..10618, 10667..10690, 10668..10709, 10741..10803, 10784..10873, 10812..10982, 10812..10982, 10919..10987		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o1.tw	Method	TBLASTX:Wheat
Start	10542	End	10893
GI	none	Score	57
Exons	10542..10631, 10550..10597, 10551..10598, 10575..10640, 10576..10641, 10667..10699, 10668..10700, 10694..10888, 10704..10892, 10705..10893		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o2.ts	Method	TBLASTX:Soybean
Start	18346	End	19938
GI	none	Score	93
Exons	18346..18504, 18346..18519, 18347..18520, 18647..18724, 18651..18719, 18891..19124, 18893..19102, 18897..19103, 19123..19191, 19535..19777, 19539..19775, 19870..19938		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o6.tm	Method	TBLASTX:Maize
Start	18346	End	18527
GI	none	Score	231
Exons	18346..18519, 18347..18517, 18352..18519, 18444..18527		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	18379	End	21458
GI	none	Score	118
Exons	18379..18468, 19870..19992, 21016..21084, 21159..21458, 21162..21455		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o2.tm	Method	TBLASTX:Maize

Start	19906	End	21350
GI	none	Score	45
Exons	19906..19995, 20871..20930, 20887..20934, 21013..21108, 21014..21106, 21108..21350, 21109..21345, 21120..21350		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	21043	End	21350
GI	none	Score	47
Exons	21043..21108, 21044..21106, 21108..21350, 21109..21345, 21120..21350		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o4.tw	Method	TBLASTX:Wheat
Start	21192	End	21458
GI	none	Score	89
Exons	21192..21452, 21195..21458		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o9.tm	Method	TBLASTX:Maize
Start	21351	End	21483
GI	none	Score	116
Exons	21351..21479, 21351..21482, 21352..21483		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o7.tm	Method	TBLASTX:Maize
Start	22931	End	23124
GI	none	Score	180
Exons	22931..23119, 22935..23120, 22954..23124, 22964..23122		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o6.ts	Method	TBLASTX:Soybean
Start	23413	End	23750
GI	none	Score	65
Exons	23413..23595, 23628..23750		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o4.tm	Method	TBLASTX:Maize
Start	23512	End	23938
GI	none	Score	55
Exons	23512..23574, 23512..23595, 23628..23885, 23629..23658, 23710..23790, 23772..23924, 23780..23818, 23890..23922, 23912..23938		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2

Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o2.tw	Method	TBLASTX:Wheat
Start	25013	End	26520
GI	none	Score	40
Exons	25013..25036, 25015..25035, 25150..25272, 25160..25267, 25210..25281, 26068..26202, 26090..26194, 26307..26387, 26317..26394, 26318..26392, 26473..26517, 26475..26519, 26476..26520		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o4.ts	Method	TBLASTX:Soybean
Start	25148	End	26364
GI	none	Score	65
Exons	25148..25264, 26089..26205, 26090..26194, 26317..26364, 26319..26363		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	25159	End	26702
GI	none	Score	172
Exons	25159..25272, 25160..25267, 26068..26202, 26090..26194, 26094..26201, 26307..26384, 26312..26383, 26317..26394, 26317..26394, 26319..26396, 26460..26516, 26473..26520, 26474..26521, 26625..26657, 26637..26702, 26658..26687		

Seq. No.	43480	Seq. ID	OJ000350_52.0314.C2
Gene No.	91160	Strand	-
Start	26807	End	27054
Name	OJ000350_52.0314.C2.o7.gs	Method	GENSCAN
Start	26807	End	27054
GI	none	Score	.95
Exons	26807..27054		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91161	Strand	+
Start	90	End	6288
Name	OJ000350_52.0314.C3.o1.gp	Method	AAT/GAP
Start	90	End	418
GI	none	Score	562
Exons	90..418		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91161	Strand	+
Start	90	End	6288
Name	OJ000350_52.0314.C3.o1.gs	Method	GENSCAN
Start	277	End	6288
GI	none	Score	.82
Exons	277..612, 1489..1572, 1653..1733, 2455..2535, 2654..2746, 3245..3421, 5010..5076, 5369..5450, 6249..6288		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91161	Strand	+

Start	90	End	6288
Name	OJ000350_52.0314.C3.o1.np	Method	AAT/NAP
Start	277	End	5457
GI	6970282	Score	1073
Exons	277..418, 1252..1325, 1489..1572, 1653..1733, 2455..2535, 2654..2746, 3245..3413, 3494..3572, 3700..3751, 3853..3906, 3989..4078, 5010..5076, 5369..5457		
GI Descrip.	(AC021666) unknown protein [Arabidopsis thaliana]		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91161	Strand	+
Start	90	End	6288
Name	OJ000350_52.0314.C3.o2.gp	Method	AAT/GAP
Start	3340	End	5843
GI	30797_1.R1084	Score	1419
Exons	3340..3421, 3505..3572, 3700..3751, 3853..3906, 3989..4078, 5010..5076, 5369..5739, 5806..5843		
GI Descrip.	'4689108/gb\|AAD27763.1\|AF077030_1 2.0e-42 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91162	Strand	+
Start	12678	End	14448
Name	OJ000350_52.0314.C3.o4.np	Method	AAT/NAP
Start	12678	End	14448
GI	7340868	Score	95
Exons	12678..12790, 14354..14448		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91162	Strand	+
Start	12678	End	14448
Name	OJ000350_52.0314.C3.o3.np	Method	AAT/NAP
Start	13072	End	14448
GI	7228450	Score	101
Exons	13072..13184, 14013..14098, 14238..14448		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o3.tm	Method	TBLASTX:Maize
Start	285	End	2535
GI	none	Score	98
Exons	285..350, 285..347, 1214..1339, 1254..1334, 1483..1572, 1491..1571, 1652..1732, 1653..1736, 2450..2533, 2452..2535, 2454..2534, 2455..2535		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o2.ts	Method	TBLASTX:Soybean
Start	1686	End	5474
GI	none	Score	65
Exons	1686..1736, 2454..2555, 2455..2535, 2651..2746, 2653..2745,		

3242..3409, 3244..3402, 3499..3570, 3516..3569, 3694..3753,
3698..3754, 3850..3912, 3852..3905, 3983..4024, 3988..4017,
4039..4098, 4040..4120, 5004..5078, 5009..5092, 5343..5474,
5344..5463

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o2.tc	Method	TBLASTX:Cress
Start	2648	End	3570
GI	none	Score	137
Exons	2648..2746, 2656..2745, 3242..3409, 3244..3357, 3499..3570		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o2.tm	Method	TBLASTX:Maize
Start	2651	End	5095
GI	none	Score	177
Exons	2651..2746, 2653..2745, 3242..3427, 3242..3421, 3244..3426, 3499..3573, 3502..3570, 3513..3572, 3700..3753, 3701..3754, 3846..3905, 3850..3912, 3853..3915, 3983..4120, 3986..4084, 3988..4098, 5001..5087, 5004..5075, 5008..5094, 5009..5095		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o4.tm	Method	TBLASTX:Maize
Start	5344	End	5678
GI	none	Score	181
Exons	5344..5484, 5352..5483, 5371..5490, 5375..5491, 5400..5501, 5484..5531, 5634..5678		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	8938	End	10012
GI	none	Score	730
Exons	8938..9615, 8938..10011, 8945..10012		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o1.ts	Method	TBLASTX:Soybean
Start	8944	End	9439
GI	none	Score	59
Exons	8944..9048, 8963..9046, 9079..9438, 9098..9436, 9158..9439		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o1.tc	Method	TBLASTX:Cress
Start	8953	End	9927
GI	none	Score	61
Exons	8953..9054, 9079..9243, 9223..9408, 9226..9405, 9356..9472, 9496..9540, 9505..9648, 9509..9616, 9817..9927		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o2.gs	Method	GENSCAN
Start	8953	End	13739
GI	none	Score	.79
Exons	8953..10171, 10327..10459, 10465..10535, 12299..12413, 12789..12984, 13607..13739		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o2.np	Method	AAT/NAP
Start	8956	End	10041
GI	7486303	Score	758
Exons	8956..10041		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi\|2832643\|emb\|CAA16718.1\| (AL021710) hypothetical protein [Arabidopsis thaliana] gi\|7268631\|emb\|CAB78840.1\| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43481	Seq. ID	OJ000350_52.0314.C3
Gene No.	91163	Strand	-
Start	8953	End	13739
Name	OJ000350_52.0314.C3.o3.ts	Method	TBLASTX:Soybean
Start	9490	End	9921
GI	none	Score	144
Exons	9490..9660, 9503..9649, 9790..9921		

Seq. No.	43482	Seq. ID	OJ000350_52.0314.C4
Gene No.	91164	Strand	+
Start	598	End	1124
Name	OJ000350_52.0314.C4.o1.np	Method	AAT/NAP
Start	598	End	772
GI	7106516	Score	138
Exons	598..772		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	43482	Seq. ID	OJ000350_52.0314.C4
Gene No.	91164	Strand	+
Start	598	End	1124
Name	OJ000350_52.0314.C4.o1.gs	Method	GENSCAN
Start	624	End	1124
GI	none	Score	.46
Exons	624..756, 1044..1124		

Seq. No.	43482	Seq. ID	OJ000350_52.0314.C4
Gene No.	91165	Strand	-
Start	1	End	135
Name	OJ000350_52.0314.C4.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	LIB3432-058-P1-K1-E12	Score	155
Exons	1..135		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43483	Seq. ID	OJ000350_52.0314.C5
Gene No.	91166	Strand	+
Start	731	End	1054
Name	OJ000350_52.0314.C5.o1.gs	Method	GENSCAN
Start	731	End	1054
GI	none	Score	.96
Exons	731..794, 876..1054		

Seq. No.	43483	Seq. ID	OJ000350_52.0314.C5
Gene No.	91167	Strand	+
Start	3380	End	5055
Name	OJ000350_52.0314.C5.o2.gs	Method	GENSCAN
Start	3380	End	5055
GI	none	Score	.53
Exons	3380..3418, 4316..4456, 4996..5055		

Seq. No.	43483	Seq. ID	OJ000350_52.0314.C5
Gene No.	91168	Strand	+
Start	6765	End	7088
Name	OJ000350_52.0314.C5.o2.gp	Method	AAT/GAP
Start	6765	End	7088
GI	none	Score	621
Exons	6765..7088		

Seq. No.	43483	Seq. ID	OJ000350_52.0314.C5
Gene No.	91169	Strand	-
Start	9223	End	9590
Name	OJ000350_52.0314.C5.o1.tm	Method	TBLASTX:Maize
Start	7523	End	7861
GI	none	Score	49
Exons	7523..7636, 7593..7634, 7700..7861, 7700..7840, 7717..7851		

Seq. No.	43483	Seq. ID	OJ000350_52.0314.C5
Gene No.	91169	Strand	-
Start	9223	End	9590
Name	OJ000350_52.0314.C5.o3.gp	Method	AAT/GAP
Start	9223	End	9590
GI	none	Score	578
Exons	9223..9590		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91170	Strand	+
Start	43	End	567
Name	OJ000350_52.0314.C9.o1.gs	Method	GENSCAN
Start	43	End	567
GI	none	Score	.44
Exons	43..90, 235..567		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91171	Strand	+
Start	3414	End	4926
Name	OJ000350_52.0314.C9.o1.gp	Method	AAT/GAP
Start	3340	End	4347
GI	29309_1.R1084	Score	1009
Exons	3340..3810, 4269..4347		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91171	Strand	+
Start	3414	End	4926
Name	OJ000350_52.0314.C9.o2.gs	Method	GENSCAN
Start	3414	End	3830
GI	none	Score	.77
Exons	3414..3830		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91171	Strand	+
Start	3414	End	4926
Name	OJ000350_52.0314.C9.o1.np	Method	AAT/NAP
Start	3438	End	4926
GI	3885343	Score	204
Exons	3438..3816, 4833..4926		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91172	Strand	+
Start	11120	End	11360
Name	OJ000350_52.0314.C9.o3.gp	Method	AAT/GAP
Start	11120	End	11360
GI	28898_2.R1084	Score	368
Exons	11120..11360		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91173	Strand	+
Start	25043	End	26160
Name	OJ000350_52.0314.C9.o8.gp	Method	AAT/GAP
Start	25043	End	26160
GI	2428691	Score	688
Exons	25043..25119, 25884..26160		
GI Descrip.	4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91173	Strand	+
Start	25043	End	26160
Name	OJ000350_52.0314.C9.o5.np	Method	AAT/NAP
Start	25928	End	26160
GI	4204263	Score	141
Exons	25928..26160		
GI Descrip.	(AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91174	Strand	-
Start	4229	End	9954
Name	OJ000350_52.0314.C9.o3.gs	Method	GENSCAN
Start	4229	End	9954
GI	none	Score	.65
Exons	4229..4399, 5153..5338, 6390..6673, 7794..8057, 8165..8300, 8405..8580, 9060..9117, 9359..9463, 9599..9656, 9758..9954		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91174	Strand	-
Start	4229	End	9954

Name	OJ000350_52.0314.C9.o2.np	Method	AAT/NAP
Start	7765	End	9954
GI	6437556	Score	757
Exons	7765..8057, 8398..8580, 9060..9117, 9359..9463, 9599..9656, 9758..9810, 9870..9954		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91174	Strand	-
Start	4229	End	9954
Name	OJ000350_52.0314.C9.o2.gp	Method	AAT/GAP
Start	8493	End	9889
GI	LIB3433-055-P1-K1-A4	Score	594
Exons	8493..8580, 9060..9117, 9359..9463, 9599..9656, 9758..9808, 9865..9889		
GI Descrip.	'2435511 3.0e-25 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o4.tm	Method	TBLASTX:Maize
Start	3558	End	3755
GI	none	Score	294
Exons	3558..3755, 3563..3754		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o3.ts	Method	TBLASTX:Soybean
Start	3566	End	3809
GI	none	Score	208
Exons	3566..3703, 3567..3707, 3705..3809		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	7748	End	9801
GI	none	Score	297
Exons	7748..8065, 7751..8059, 7759..8061, 8166..8201, 8167..8196, 8403..8582, 8405..8581, 8473..8586, 9050..9118, 9061..9117, 9359..9463, 9366..9464, 9590..9658, 9757..9801		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	7762	End	9464
GI	none	Score	288
Exons	7762..8061, 7772..8059, 8394..8582, 8405..8581, 9061..9117, 9359..9463, 9366..9464		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o1.tm	Method	TBLASTX:Maize

Start	7762	End	9823
GI	none	Score	402
Exons	7762..8061, 7763..8059, 7763..8065, 7773..8063, 8165..8209, 8166..8225, 8403..8582, 8405..8581, 8476..8586, 9050..9127, 9061..9117, 9357..9464, 9357..9461, 9359..9463, 9590..9658, 9591..9659, 9757..9822, 9758..9823		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o4.gs	Method	GENSCAN
Start	11206	End	26108
GI	none	Score	.66
Exons	11206..11363, 12600..13048, 13287..13363, 13565..13673, 13767..13957, 14399..15023, 15277..15381, 17336..17461, 20417..20469, 20977..21081, 21241..21306, 21941..22030, 22120..22200, 22332..22409, 22564..22654, 22750..22891, 23146..23251, 23474..23620, 25955..26108		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o3.np	Method	AAT/NAP
Start	11623	End	15387
GI	7523406	Score	879
Exons	11623..11698, 12600..12826, 13215..13363, 13565..13673, 13767..13957, 14399..14884, 14918..15023, 15277..15387		
GI Descrip.	(AL138648) inositol-1, 4, 5-trisphosphate 5-Phosphatase-like protein [Arabidopsis thaliana]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o6.tm	Method	TBLASTX:Maize
Start	12610	End	13267
GI	none	Score	153
Exons	12610..12846, 12637..12825, 12638..12859, 12638..12826, 13209..13265, 13214..13267		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o4.gp	Method	AAT/GAP
Start	12634	End	13673
GI	LIB3433-061-P1-K1-D1	Score	813
Exons	12634..12826, 13215..13363, 13565..13673		
GI Descrip.	'4263717/gb\|AAD15403\| 4.0e-47 (AC006223) putative inositol polyphosphate 5-phosphatase [Arabidopsis thaliana]'		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o3.tc	Method	TBLASTX:Cress
Start	12697	End	15384
GI	none	Score	71
Exons	12697..12825, 13229..13366, 13230..13364, 13559..13672, 13766..13960, 14399..14518, 14399..14533, 14888..15019,		

15276..15383, 15277..15384

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o5.ts	Method	TBLASTX:Soybean
Start	12754	End	13366
GI	none	Score	72
Exons	12754..12825, 12755..12898, 13209..13358, 13214..13366		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o7.tm	Method	TBLASTX:Maize
Start	13268	End	13915
GI	none	Score	76
Exons	13268..13366, 13269..13364, 13269..13382, 13550..13672, 13793..13915		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o4.ts	Method	TBLASTX:Soybean
Start	13604	End	14536
GI	none	Score	75
Exons	13604..13672, 13811..13960, 13890..13958, 14399..14509, 14399..14536		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	13917	End	14758
GI	none	Score	66
Exons	13917..13958, 14398..14547, 14399..14566, 14399..14602, 14436..14609, 14623..14748, 14624..14752, 14642..14758, 14643..14756		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o5.gp	Method	AAT/GAP
Start	17210	End	17520
GI	none	Score	594
Exons	17210..17520		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o6.gp	Method	AAT/GAP
Start	20455	End	22449
GI	19336_1.R1084	Score	1397
Exons	20455..20837, 20977..21063, 21241..21306, 21941..22030, 22120..22200, 22332..22449		
GI Descrip.	'4336205/gb\|AAD17694\| 3.0e-44 (AF077372) cytochrome b5 reductase [Zea mays]'		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o2.ts	Method	TBLASTX:Soybean
Start	20680	End	22893
GI	none	Score	133
Exons	20680..20715, 20731..20838, 20736..20840, 20749..20838, 20974..21066, 20981..21064, 20999..21067, 21241..21312, 21937..22011, 21939..22043, 21939..22010, 21940..22023, 21941..22042, 22117..22200, 22118..22201, 22118..22201, 22119..22205, 22120..22203, 22332..22418, 22332..22412, 22559..22660, 22561..22662, 22749..22832, 22749..22892, 22750..22893		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o5.tm	Method	TBLASTX:Maize
Start	20728	End	22428
GI	none	Score	137
Exons	20728..20841, 20742..20840, 20743..20841, 20744..20866, 20744..20860, 20974..21066, 20978..21064, 20978..21067, 21241..21312, 21939..22031, 21939..22025, 21941..22042, 21947..22036, 22117..22200, 22118..22201, 22118..22201, 22120..22203, 22305..22412, 22332..22412, 22333..22428		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o2.tc	Method	TBLASTX:Cress
Start	20742	End	22889
GI	none	Score	78
Exons	20742..20840, 20746..20841, 20747..20842, 20748..20831, 20749..20841, 20974..21066, 20977..21069, 20979..21080, 21241..21312, 21934..22023, 21938..22042, 21939..22043, 21941..22042, 22117..22200, 22118..22201, 22118..22201, 22320..22418, 22332..22412, 22336..22428, 22559..22660, 22561..22662, 22749..22835, 22749..22889, 22750..22887		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o4.np	Method	AAT/NAP
Start	20748	End	23266
GI	4336205	Score	1042
Exons	20748..20837, 20977..21063, 21241..21306, 21941..22030, 22120..22200, 22332..22409, 22564..22654, 22750..22891, 23146..23266		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	21004	End	22899
GI	none	Score	71
Exons	21004..21066, 21008..21064, 21014..21067, 21215..21307,		

21241..21312, 21937..22026, 21939..22043, 21939..22025,
21941..22042, 22117..22200, 22118..22201, 22118..22201,
22331..22411, 22332..22418, 22332..22412, 22553..22660,
22561..22662, 22749..22898, 22750..22899

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o3.tm	Method	TBLASTX:Maize
Start	22561	End	22899
GI	none	Score	114
Exons	22561..22659, 22561..22662, 22741..22881, 22742..22834, 22749..22898, 22750..22899		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o7.gp	Method	AAT/GAP
Start	23215	End	23363
GI	454555	Score	256
Exons	23215..23363		

Seq. No.	43484	Seq. ID	OJ000350_52.0314.C9
Gene No.	91175	Strand	-
Start	11206	End	26158
Name	OJ000350_52.0314.C9.o8.tm	Method	TBLASTX:Maize
Start	25893	End	26158
GI	none	Score	90
Exons	25893..26006, 25913..26005, 25914..26006, 25916..26014, 26007..26105, 26007..26102, 26009..26128, 26105..26158		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91176	Strand	+
Start	1122	End	8658
Name	OJ000350_52.0314.C10.o1.gs	Method	GENSCAN
Start	1122	End	8658
GI	none	Score	.71
Exons	1122..1313, 1644..1785, 2412..2576, 2655..2805, 3461..3533, 6550..6775, 7152..7224, 7302..7371, 7921..8658		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91176	Strand	+
Start	1122	End	8658
Name	OJ000350_52.0314.C10.o1.np	Method	AAT/NAP
Start	6565	End	8655
GI	6223653	Score	606
Exons	6565..6775, 6847..6923, 7004..7071, 7152..7224, 7302..7371, 7921..8472, 8533..8655		
GI Descrip.	(AC011698) transfactor-like [Arabidopsis thaliana]		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91177	Strand	+
Start	13778	End	21718
Name	OJ000350_52.0314.C10.o3.gs	Method	GENSCAN
Start	13778	End	15651
GI	none	Score	.97
Exons	13778..13818, 14508..14816, 15108..15651		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91177	Strand	+
Start	13778	End	21718
Name	OJ000350_52.0314.C10.o3.np	Method	AAT/NAP
Start	14548	End	21718
GI	5257279	Score	969
Exons	14548..15022, 15188..15455, 16060..17168, 21479..21718		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91177	Strand	+
Start	13778	End	21718
Name	OJ000350_52.0314.C10.o4.gs	Method	GENSCAN
Start	15875	End	16990
GI	none	Score	.59
Exons	15875..16990		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91178	Strand	+
Start	22096	End	23726
Name	OJ000350_52.0314.C10.o2.gp	Method	AAT/GAP
Start	22086	End	22941
GI	uC-osflcyp107g11b1	Score	906
Exons	22086..22408, 22585..22647, 22823..22941		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91178	Strand	+
Start	22096	End	23726
Name	OJ000350_52.0314.C10.o6.gs	Method	GENSCAN
Start	22096	End	23726
GI	none	Score	.87
Exons	22096..22135, 22282..22408, 22585..22647, 22823..23726		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91179	Strand	-
Start	9841	End	10635
Name	OJ000350_52.0314.C10.o2.np	Method	AAT/NAP
Start	9708	End	10635
GI	6862922	Score	240
Exons	9708..9750, 9845..10042, 10071..10404, 10511..10635		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91179	Strand	-
Start	9841	End	10635
Name	OJ000350_52.0314.C10.o2.gs	Method	GENSCAN
Start	9841	End	10383
GI	none	Score	.91
Exons	9841..10383		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91180	Strand	-
Start	13535	End	14027
Name	OJ000350_52.0314.C10.o1.gp	Method	AAT/GAP

Start	13535	End	14027
GI	576771	Score	843
Exons	13535..13745, 13772..14027		
GI Descrip.	576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91181	Strand	-
Start	19057	End	21790
Name	OJ000350_52.0314.C10.o5.gs	Method	GENSCAN
Start	19057	End	21790
GI	none	Score	.63
Exons	19057..19559, 20238..20355, 20427..20585, 21464..21790		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o1.tc	Method	TBLASTX:Cress
Start	6562	End	7027
GI	none	Score	73
Exons	6562..6663, 6579..6653, 6643..6774, 6654..6776, 6655..6774, 6846..6920, 6847..6924, 6849..6926, 6862..6927, 7000..7026, 7004..7027		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o1.ts	Method	TBLASTX:Soybean
Start	6607	End	7057
GI	none	Score	208
Exons	6607..6774, 6612..6776, 6846..6923, 6848..6919, 7001..7057		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o3.tm	Method	TBLASTX:Maize
Start	6673	End	6923
GI	none	Score	126
Exons	6673..6774, 6675..6776, 6846..6923, 6848..6919		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o2.tm	Method	TBLASTX:Maize
Start	8503	End	8754
GI	none	Score	189
Exons	8503..8658, 8509..8544, 8516..8662, 8661..8750, 8662..8751, 8662..8754		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o2.tc	Method	TBLASTX:Cress
Start	9836	End	10161
GI	none	Score	105
Exons	9836..9958, 9871..9972, 10072..10161, 10076..10150		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o2.ts	Method	TBLASTX:Soybean
Start	9848	End	10155
GI	none	Score	106
Exons	9848..9958, 9871..9987, 10072..10155, 10076..10150		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o1.tw	Method	TBLASTX:Wheat
Start	16007	End	16372
GI	none	Score	170
Exons	16007..16204, 16030..16191, 16229..16372, 16270..16371		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o2.tw	Method	TBLASTX:Wheat
Start	16697	End	17116
GI	none	Score	58
Exons	16697..16753, 16814..17116, 16888..17082		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o1.tm	Method	TBLASTX:Maize
Start	23064	End	23599
GI	none	Score	47
Exons	23064..23096, 23066..23104, 23097..23426, 23183..23425, 23274..23426, 23546..23599		

Seq. No.	43485	Seq. ID	OJ000350_52.0314.C10
Gene No.	91182	Strand	-
Start	24792	End	27099
Name	OJ000350_52.0314.C10.o7.gs	Method	GENSCAN
Start	24792	End	27099
GI	none	Score	.67
Exons	24792..24862, 25242..25272, 26527..26585, 27039..27099		

Seq. No.	43486	Seq. ID	OJ000350_52.0314.C11
Gene No.	91183	Strand	+
Start	1127	End	1509
Name	OJ000350_52.0314.C11.o2.gs	Method	GENSCAN
Start	1127	End	1509
GI	none	Score	.88
Exons	1127..1298, 1382..1509		

Seq. No.	43486	Seq. ID	OJ000350_52.0314.C11
Gene No.	91184	Strand	+
Start	2093	End	2499
Name	OJ000350_52.0314.C11.o2.np	Method	AAT/NAP
Start	2093	End	2499
GI	7488841	Score	54
Exons	2093..2499		
GI Descrip.	ribonuclease S5 homolog - garden pea gi\|1903264\|emb\|CAA72510.1\|		

(Y11824) hypothetical protein [Pisum sativum]

Seq. No.	43486	Seq. ID	OJ000350_52.0314.C11
Gene No.	91185	Strand	-
Start	144	End	390
Name	OJ000350_52.0314.C11.o1.gs	Method	GENSCAN
Start	144	End	390
GI	none	Score	.99
Exons	144..390		

Seq. No.	43486	Seq. ID	OJ000350_52.0314.C11
Gene No.	91186	Strand	-
Start	1830	End	2309
Name	OJ000350_52.0314.C11.o3.gs	Method	GENSCAN
Start	1830	End	2309
GI	none	Score	.46
Exons	1830..1925, 2205..2309		

Seq. No.	43487	Seq. ID	OJ000350_52.0314.C12
Gene No.	91187	Strand	+
Start	74	End	215
Name	OJ000350_52.0314.C12.o1.gs	Method	GENSCAN
Start	74	End	215
GI	none	Score	.49
Exons	74..215		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91188	Strand	+
Start	1077	End	5758
Name	OJ000250_57.0310.C1.o1.gs	Method	GENSCAN
Start	1077	End	5671
GI	none	Score	.68
Exons	1077..1256, 1533..2271, 2349..2397, 2481..2545, 2655..2709, 3452..3502, 4227..4293, 5123..5318, 5402..5671		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91188	Strand	+
Start	1077	End	5758
Name	OJ000250_57.0310.C1.o1.np	Method	AAT/NAP
Start	1765	End	2211
GI	6016737	Score	280
Exons	1765..2211		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi\|6091741\|gb\|AAF03453.1\|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91188	Strand	+
Start	1077	End	5758
Name	OJ000250_57.0310.C1.o1.gp	Method	AAT/GAP
Start	2057	End	2821
GI	12484_1.R1084	Score	717
Exons	2057..2271, 2349..2397, 2481..2545, 2655..2709, 2783..2821		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1

Gene No.	91188	Strand	+
Start	1077	End	5758
Name	OJ000250_57.0310.C1.o2.gp	Method	AAT/GAP
Start	4035	End	5758
GI	52805_1.R1084	Score	1148
Exons	4035..4106, 4227..4293, 5197..5318, 5402..5758		
GI Descrip.	'6016737/gb\|AAF01563.1\|AC009325_33 4.0e-09 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91189	Strand	-
Start	5873	End	5974
Name	OJ000250_57.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	1574	End	4298
GI	none	Score	140
Exons	1574..1765, 1575..1664, 1579..1803, 1593..1805, 1615..1806, 1619..1807, 1790..2173, 1797..2228, 1809..2177, 1810..2229, 2187..2297, 2188..2274, 2327..2395, 2337..2402, 2349..2402, 2779..2859, 2781..2858, 3996..4106, 4009..4107, 4010..4105, 4215..4298, 4228..4293		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91189	Strand	-
Start	5873	End	5974
Name	OJ000250_57.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	1774	End	4106
GI	none	Score	370
Exons	1774..2124, 1806..2126, 4026..4106		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91189	Strand	-
Start	5873	End	5974
Name	OJ000250_57.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	1810	End	2118
GI	none	Score	81
Exons	1810..1881, 1812..1880, 1896..2117, 1897..2118		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91189	Strand	-
Start	5873	End	5974
Name	OJ000250_57.0310.C1.o2.tm	Method	TBLASTX:Maize
Start	5194	End	5690
GI	none	Score	143
Exons	5194..5316, 5195..5332, 5295..5330, 5402..5515, 5402..5515, 5518..5637, 5519..5647, 5525..5647, 5583..5690, 5583..5624, 5611..5670		

Seq. No.	43488	Seq. ID	OJ000250_57.0310.C1
Gene No.	91189	Strand	-
Start	5873	End	5974
Name	OJ000250_57.0310.C1.o2.gs	Method	GENSCAN
Start	5873	End	5974
GI	none	Score	.8
Exons	5873..5974		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91190	Strand	+
Start	1	End	211
Name	OJ000250_57.0310.C2.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	none	Score	410
Exons	1..211		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91191	Strand	+
Start	373	End	807
Name	OJ000250_57.0310.C2.o2.gp	Method	AAT/GAP
Start	373	End	807
GI	LIB3431-043-P1-K1-B9	Score	843
Exons	373..807		
GI Descrip.	'732174/sp\|P34498\|YMS2_CAEEL 3.0e-54 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE K03H1.2 >gi_3878176_emb_CAA82662.1_ (Z29560) similar to DEAH subfamily RNA helicases, especially yeast pre-mRNA splicing factors 22 and 16; cDNA EST EMBL:D27770 comes from this gene; cDNA EST EMBL:D27769 comes from this gene; cDNA EST EMBL:D36247 comes from thi... >gi_4249768_gb_A'		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91192	Strand	+
Start	13730	End	18095
Name	OJ000250_57.0310.C2.o3.gs	Method	GENSCAN
Start	13730	End	15950
GI	none	Score	.63
Exons	13730..14227, 14998..15059, 15653..15950		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91192	Strand	+
Start	13730	End	18095
Name	OJ000250_57.0310.C2.o2.np	Method	AAT/NAP
Start	13911	End	17673
GI	7487478	Score	213
Exons	13911..14227, 16850..17082, 17469..17673		
GI Descrip.	hypothetical protein T27E13.14 - Arabidopsis thaliana gi\|3150408\|gb\|AAC16960.1\| (AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91192	Strand	+
Start	13730	End	18095
Name	OJ000250_57.0310.C2.o4.gs	Method	GENSCAN
Start	16871	End	18095
GI	none	Score	.85
Exons	16871..17082, 17469..17623, 17836..17912, 17988..18095		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91193	Strand	-
Start	1	End	7783
Name	OJ000250_57.0310.C2.o1.np	Method	AAT/NAP
Start	1	End	6083
GI	3337389	Score	2753
Exons	1..1585, 1674..1826, 1921..1982, 2271..2519, 2869..3036,		

	3129..3358, 3974..4115, 6015..6083		
GI Descrip.	(AC004682) pre-mRNA splicing factor (PRP16)(KIAA0224) [Homo sapiens]		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91193	Strand	-
Start	1	End	7783
Name	OJ000250_57.0310.C2.o1.gs	Method	GENSCAN
Start	52	End	7783
GI	none	Score	.85
Exons	52..1558, 1674..1826, 1921..1982, 2271..2519, 2869..3048, 3129..3358, 3974..4151, 4743..4848, 5202..5299, 6099..6229, 6324..6503, 6595..6859, 6973..7043, 7123..7338, 7563..7683, 7778..7783		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	130	End	352
GI	none	Score	217
Exons	130..351, 176..352		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	133	End	1311
GI	none	Score	440
Exons	133..750, 176..589, 199..744, 608..748, 751..942, 764..1087, 772..1311, 936..1220, 997..1311		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	205	End	3359
GI	none	Score	80
Exons	205..324, 212..292, 340..1362, 512..667, 806..874, 811..1068, 995..1087, 1151..1363, 1378..1578, 1433..1576, 1679..1840, 1689..1826, 1923..1985, 1932..1985, 2271..2486, 2275..2487, 2359..2520, 3204..3359		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	353	End	957
GI	none	Score	706
Exons	353..907, 355..957, 355..942, 666..953		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	1238	End	1967
GI	none	Score	384

Exons	1238..1585, 1238..1582, 1240..1584, 1278..1598, 1399..1596, 1673..1831, 1674..1826, 1676..1828, 1913..1966, 1920..1967		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	1558	End	2355
GI	none	Score	184
Exons	1558..1581, 1662..1868, 1674..1823, 1676..1831, 1920..1985, 2271..2354, 2271..2354, 2272..2355		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o6.tm	Method	TBLASTX:Maize
Start	2271	End	2547
GI	none	Score	301
Exons	2271..2522, 2271..2486, 2272..2547		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	2361	End	3291
GI	none	Score	70
Exons	2361..2483, 2361..2483, 2395..2484, 2480..2521, 2866..2964, 2867..2977, 2968..3051, 2969..3046, 3123..3287, 3123..3290, 3124..3291		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o3.tc	Method	TBLASTX:Cress
Start	2861	End	3203
GI	none	Score	100
Exons	2861..2977, 2866..2964, 2968..3051, 2969..3046, 3123..3203, 3124..3201		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o4.tm	Method	TBLASTX:Maize
Start	2872	End	5263
GI	none	Score	246
Exons	2872..3051, 2873..3049, 2873..3052, 3123..3245, 3123..3245, 3124..3246, 3179..3358, 3214..3357, 3240..3374, 3243..3359, 3965..4150, 3969..4151, 3974..4156, 3976..4155, 4743..4847, 4745..4849, 5191..5256, 5198..5263		
Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	14042	End	14230
GI	none	Score	258
Exons	14042..14227, 14048..14230		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o7.tm	Method	TBLASTX:Maize
Start	16699	End	17026
GI	none	Score	40
Exons	16699..16752, 16802..16876, 16821..16874, 16825..16875, 16879..17007, 16880..17026, 16880..17026		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o5.gs	Method	GENSCAN
Start	18318	End	26571
GI	none	Score	.88
Exons	18318..18500, 19597..19671, 19753..19842, 19922..19984, 20075..20272, 20389..20490, 21692..21840, 22552..22621, 22876..22998, 23957..24055, 26560..26571		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o3.gp	Method	AAT/GAP
Start	18803	End	19695
GI	75834_1.R1084	Score	939
Exons	18803..19220, 19597..19695		
GI Descrip.	'5816992/emb\|CAB53647.1\| 9.0e-18 (AL110123) putative protein [Arabidopsis thaliana]'		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	19095	End	24022
GI	none	Score	111
Exons	19095..19220, 19103..19222, 19104..19223, 19105..19224, 19591..19686, 19599..19673, 19616..19684, 19742..19843, 19750..19842, 19751..19843, 19752..19844, 19788..19865, 19919..19981, 19919..19981, 19935..19985, 20073..20267, 20074..20247, 20078..20272, 20078..20278, 20161..20283, 20388..20495, 20389..20532, 20389..20493, 20390..20503, 21687..21764, 21692..21841, 21692..21841, 22541..22624, 22542..22622, 22549..22626, 22861..23001, 22876..23001, 23948..24022, 23949..24002		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o3.np	Method	AAT/NAP
Start	19104	End	24016
GI	7485521	Score	811
Exons	19104..19220, 19597..19671, 19753..19842, 20075..20272, 20389..20490, 21692..21840, 22552..22621, 22876..22998, 23957..24016		
GI Descrip.	hypothetical protein F15J5.30 - Arabidopsis thaliana gi\|5816992\|emb\|CAB53647.1\| (AL110123) putative protein		

[Arabidopsis thaliana] gi|7268558|emb|CAB78808.1| (AL161547) putative protein [Arabidopsis thaliana]

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o2.tc	Method	TBLASTX:Cress
Start	19131	End	20255
GI	none	Score	87
Exons	19131..19220, 19132..19209, 19591..19689, 19748..19843, 19750..19842, 19919..19996, 20072..20245, 20075..20242, 20109..20255		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2		
Gene No.	91194	Strand	-		
Start	18318	End	26571		
Name	OJ000250_57.0310.C2.o4.gp	Method	AAT/GAP		
Start	20242	End	21855		
GI	4968800	Score	460		
Exons	20242..20272, 20389..20490, 21692..21855				
GI Descrip.	5816992/emb	CAB53647.1	4.0e-24 (AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	43489	Seq. ID	OJ000250_57.0310.C2
Gene No.	91194	Strand	-
Start	18318	End	26571
Name	OJ000250_57.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	21704	End	24004
GI	none	Score	99
Exons	21704..21841, 21707..21841, 22541..22624, 22542..22622, 22549..22623, 22861..23001, 22876..23001, 23948..24004, 23949..24002		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91195	Strand	+
Start	1584	End	14397
Name	OJ000250_57.0310.C3.o1.gs	Method	GENSCAN
Start	1584	End	14397
GI	none	Score	.82
Exons	1584..1656, 2494..2591, 5313..5495, 5759..6026, 7472..7715, 8518..8677, 8765..8922, 9033..9126, 10300..10410, 10490..10577, 10796..10899, 10977..11048, 11131..11220, 11332..11489, 12321..12375, 12468..12602, 12724..12845, 13097..13229, 13773..13874, 14227..14397		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91195	Strand	+
Start	1584	End	14397
Name	OJ000250_57.0310.C3.o1.np	Method	AAT/NAP
Start	2514	End	12791
GI	2981233	Score	161
Exons	2514..2544, 10977..11048, 11131..11220, 11332..11475, 12416..12602, 12724..12791		
GI Descrip.	(AF053305) mitotic checkpoint kinase Bub1 [Homo sapiens]		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91195	Strand	+

Start	1584	End	14397
Name	OJ000250_57.0310.C3.o1.gp	Method	AAT/GAP
Start	10962	End	11227
GI	3107328	Score	288
Exons	10962..11048, 11131..11227		
GI Descrip.	4454483/gb\|AAD20930\| 5.0e-11 (AC006234) putative kinase, 5' partial [Arabidopsis thaliana]		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91196	Strand	+
Start	27753	End	32268
Name	OJ000250_57.0310.C3.o4.gs	Method	GENSCAN
Start	27753	End	32268
GI	none	Score	.74
Exons	27753..27841, 28157..28242, 28539..28669, 28996..29121, 29701..29833, 30560..30630, 32179..32268		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91197	Strand	+
Start	33018	End	33458
Name	OJ000250_57.0310.C3.o5.gs	Method	GENSCAN
Start	33018	End	33458
GI	none	Score	.97
Exons	33018..33212, 33243..33458		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91198	Strand	+
Start	43772	End	46279
Name	OJ000250_57.0310.C3.o2.np	Method	AAT/NAP
Start	43772	End	46279
GI	4996640	Score	287
Exons	43772..43901, 44240..44536, 44654..45012, 46170..46279		
GI Descrip.	(AB028129) Dof zinc finger protein [Oryza sativa]		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91198	Strand	+
Start	43772	End	46279
Name	OJ000250_57.0310.C3.o8.gs	Method	GENSCAN
Start	44206	End	45285
GI	none	Score	1
Exons	44206..45285		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91198	Strand	+
Start	43772	End	46279
Name	OJ000250_57.0310.C3.o3.gp	Method	AAT/GAP
Start	45157	End	45458
GI	none	Score	518
Exons	45157..45458		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91199	Strand	+
Start	55950	End	56203
Name	OJ000250_57.0310.C3.o10.gs	Method	GENSCAN
Start	55950	End	56203
GI	none	Score	.68
Exons	55950..55952, 56084..56203		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o3.np	Method	AAT/NAP
Start	1	End	57608
GI	6751696	Score	165
Exons	1..43, 11467..11542, 36863..36997, 38377..38438, 44176..44332, 44523..44791, 57504..57608		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o4.tm	Method	TBLASTX:Maize
Start	7510	End	8677
GI	none	Score	206
Exons	7510..7542, 7654..7716, 8515..8676, 8516..8677		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	10303	End	11414
GI	none	Score	113
Exons	10303..10410, 10308..10406, 10470..10562, 10489..10578, 10490..10579, 10793..10894, 10794..10898, 10794..10898, 10795..10923, 10795..10902, 10953..11048, 10959..11048, 10972..11052, 10975..11049, 11119..11220, 11128..11220, 11130..11222, 11291..11413, 11326..11409, 11331..11414		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	13067	End	13276
GI	none	Score	242
Exons	13067..13276, 13086..13274		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o2.gs	Method	GENSCAN
Start	14940	End	17566
GI	none	Score	.76
Exons	14940..15209, 15596..15869, 15896..16061, 16151..16234, 16409..16537, 17485..17566		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o7.gs	Method	GENSCAN
Start	36107	End	40991
GI	none	Score	.56
Exons	36107..36220, 36239..36350, 37450..37522, 37634..37754, 38594..38775, 38821..38978, 39352..39446, 39780..39810, 39850..39874, 40124..40345, 40703..40991		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	44328	End	44516
GI	none	Score	309
Exons	44328..44516, 44329..44511		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	44331	End	44516
GI	none	Score	351
Exons	44331..44516, 44332..44511		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	44344	End	44513
GI	none	Score	316
Exons	44344..44511, 44355..44513		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o2.gp	Method	AAT/GAP
Start	44384	End	44787
GI	uC-osroM202007g08a1	Score	804
Exons	44384..44787		
GI Descrip.	'3927829 2.0e-18 (AC005727) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	43490	Seq. ID	OJ000250_57.0310.C3
Gene No.	91200	Strand	-
Start	1	End	57608
Name	OJ000250_57.0310.C3.o4.gp	Method	AAT/GAP
Start	45837	End	46350
GI	none	Score	1004
Exons	45837..46350		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o1.gs	Method	GENSCAN
Start	253	End	7285
GI	none	Score	.79
Exons	253..781, 1836..2217, 2625..2879, 4599..4847, 4951..5179, 6971..7285		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o4.tm	Method	TBLASTX:Maize
Start	253	End	447

GI	none	Score	97
Exons	253..447, 256..423, 359..445		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o2.ts	Method	TBLASTX:Soybean
Start	253	End	489
GI	none	Score	50
Exons	253..489, 257..319, 359..478		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o3.tc	Method	TBLASTX:Cress
Start	253	End	477
GI	none	Score	84
Exons	253..468, 253..477, 359..472		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o1.np	Method	AAT/NAP
Start	256	End	5179
GI	7488157	Score	2323
Exons	256..781, 1836..2358, 2625..2884, 3021..3124, 3200..3252, 4021..4281, 4569..4847, 4951..5179		
GI Descrip.	probable potassium transport protein KT5 - Arabidopsis thaliana gi\|3859659\|emb\|CAA20566.1\| (AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	536	End	2721
GI	none	Score	48
Exons	536..652, 571..612, 635..799, 649..783, 1832..2275, 1833..2360, 1839..2357, 2588..2713, 2617..2721, 2621..2719, 2623..2721		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	667	End	2294
GI	none	Score	84
Exons	667..783, 668..799, 1827..2294, 1832..2272, 1842..2285		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	1874	End	2303
GI	none	Score	330
Exons	1874..2269, 1875..2303		
Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4

Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	2295	End	2862
GI	none	Score	99
Exons	2295..2357, 2297..2359, 2576..2857, 2623..2862		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o4.tc	Method	TBLASTX:Cress
Start	2656	End	4175
GI	none	Score	166
Exons	2656..2886, 2666..2872, 2984..3073, 3009..3125, 3216..3269, 4019..4174, 4020..4175		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o5.ts	Method	TBLASTX:Soybean
Start	2722	End	3073
GI	none	Score	169
Exons	2722..2886, 2723..2875, 2996..3073		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o4.ts	Method	TBLASTX:Soybean
Start	4019	End	4740
GI	none	Score	182
Exons	4019..4276, 4020..4280, 4600..4740		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o3.tm	Method	TBLASTX:Maize
Start	4172	End	5149
GI	none	Score	81
Exons	4172..4276, 4601..4714, 4601..4678, 4753..4848, 4783..4842, 4949..5101, 5078..5149		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o2.tc	Method	TBLASTX:Cress
Start	4804	End	7072
GI	none	Score	124
Exons	4804..4845, 4952..5185, 4971..5111, 6974..7072		

Seq. No.	43491	Seq. ID	OJ000250_57.0310.C4
Gene No.	91201	Strand	-
Start	253	End	7285
Name	OJ000250_57.0310.C4.o3.ts	Method	TBLASTX:Soybean
Start	4979	End	5185
GI	none	Score	141
Exons	4979..5185, 4983..5180, 5062..5181		

Seq. No.	43492	Seq. ID	OJ000250_57.0310.C7
Gene No.	91202	Strand	+
Start	1	End	495
Name	OJ000250_57.0310.C7.o1.np	Method	AAT/NAP
Start	1	End	495
GI	7228438	Score	400
Exons	1..495		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43492	Seq. ID	OJ000250_57.0310.C7
Gene No.	91203	Strand	-
Start	933	End	1330
Name	OJ000250_57.0310.C7.o1.gp	Method	AAT/GAP
Start	933	End	1330
GI	7406_1.R1084	Score	550
Exons	933..1330		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43493	Seq. ID	OJ000250_57.0310.C8
Gene No.	91204	Strand	+
Start	510	End	1685
Name	OJ000250_57.0310.C8.o1.gs	Method	GENSCAN
Start	510	End	1685
GI	none	Score	.76
Exons	510..648, 1588..1685		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91205	Strand	+
Start	1	End	6477
Name	OJ000250_57.0310.C9.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	5852093	Score	61
Exons	1..208, 1925..1944		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91205	Strand	+
Start	1	End	6477
Name	OJ000250_57.0310.C9.o1.gs	Method	GENSCAN
Start	1524	End	6273
GI	none	Score	.76
Exons	1524..1531, 3274..3431, 3727..4091, 4551..4714, 5220..6273		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91205	Strand	+
Start	1	End	6477
Name	OJ000250_57.0310.C9.o2.np	Method	AAT/NAP
Start	3693	End	6270
GI	7488961	Score	1556
Exons	3693..4042, 5220..6270		
GI Descrip.	phosphoadenosine-phosphosulfate reductase (EC 1.8.99.4) precursor, chloroplast - Madagascar periwinkle gi\|1488043\|gb\|AAB05871.1\| (U63784) PAPS-reductase-like protein [Catharanthus roseus]		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91205	Strand	+
Start	1	End	6477
Name	OJ000250_57.0310.C9.o1.gp	Method	AAT/GAP
Start	6012	End	6477
GI	94086_1.R1084	Score	844
Exons	6012..6477		
GI Descrip.	'2098778 9.0e-19 (U96045) APS reductase [Arabidopsis thaliana]'		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91206	Strand	+
Start	9764	End	10426
Name	OJ000250_57.0310.C9.o3.np	Method	AAT/NAP
Start	9764	End	10426
GI	7469544	Score	406
Exons	9764..10426		
GI Descrip.	hypothetical protein - Synechocystis sp. (strain PCC 6803) gi\|1001603\|dbj\|BAA10231.1\| (D64000) hypothetical protein [Synechocystis sp.]		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91207	Strand	-
Start	11883	End	13040
Name	OJ000250_57.0310.C9.o2.gp	Method	AAT/GAP
Start	11124	End	11952
GI	none	Score	811
Exons	11124..11363, 11576..11810, 11922..11952		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91207	Strand	-
Start	11883	End	13040
Name	OJ000250_57.0310.C9.o3.gs	Method	GENSCAN
Start	11883	End	13040
GI	none	Score	.67
Exons	11883..12611, 12693..13040		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91207	Strand	-
Start	11883	End	13040
Name	OJ000250_57.0310.C9.o4.np	Method	AAT/NAP
Start	11886	End	13011
GI	7433486	Score	571
Exons	11886..12611, 12693..13011		
GI Descrip.	rRNA (adenine-N6,N6-)-dimethyltransferase homolog T30B22.28 - Arabidopsis thaliana gi\|2529685\|gb\|AAC62868.1\| (AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	3942	End	6278
GI	none	Score	109
Exons	3942..4040, 3965..4042, 5214..5837, 5218..5841, 5910..6035, 5911..6057, 5962..6069, 6115..6273, 6162..6278		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	3942	End	6273
GI	none	Score	119
Exons	3942..4040, 5217..5831, 5218..5832, 5910..6032, 5911..6057, 6093..6272, 6115..6273		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	5208	End	5625
GI	none	Score	408
Exons	5208..5453, 5218..5466, 5463..5624, 5506..5625		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	5343	End	6279
GI	none	Score	768
Exons	5343..5834, 5344..5835, 5907..6035, 5908..6057, 5962..6075, 6093..6272, 6115..6279		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	5625	End	5835
GI	none	Score	295
Exons	5625..5762, 5626..5784, 5788..5835		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	9973	End	10422
GI	none	Score	185
Exons	9973..10086, 9974..10102, 10103..10207, 10214..10414, 10216..10293, 10393..10422		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	9974	End	10180
GI	none	Score	222
Exons	9974..10108, 9976..10083, 10046..10090, 10076..10180, 10154..10180		

Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	9982	End	10414

GI	none	Score	180
Exons	9982..10086, 9983..10111, 10109..10414, 10174..10293		
Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	12211	End	12408
GI	none	Score	113
Exons	12211..12408, 12216..12407		
Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	12426	End	12948
GI	5126986	Score	92
Exons	12426..12614, 12427..12555, 12670..12804, 12690..12785, 12775..12948, 12789..12935		
GI Descrip.	2529685 1.0e-37 (AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		
Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	12429	End	12944
GI	none	Score	143
Exons	12429..12632, 12690..12944, 12727..12918		
Seq. No.	43494	Seq. ID	OJ000250_57.0310.C9
Gene No.	91208	Strand	-
Start	19739	End	23060
Name	OJ000250_57.0310.C9.o5.gs	Method	GENSCAN
Start	19739	End	23060
GI	none	Score	.51
Exons	19739..19752, 19954..20062, 20679..20754, 21556..21590, 22944..23060		
Seq. No.	43495	Seq. ID	OJ000250_57.0310.C10
Gene No.	91209	Strand	+
Start	76	End	1742
Name	OJ000250_57.0310.C10.o1.np	Method	AAT/NAP
Start	76	End	1742
GI	7339719	Score	138
Exons	76..111, 1331..1397, 1466..1528, 1610..1742		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	43495	Seq. ID	OJ000250_57.0310.C10
Gene No.	91209	Strand	+
Start	76	End	1742
Name	OJ000250_57.0310.C10.o1.gs	Method	GENSCAN
Start	774	End	1740
GI	none	Score	.64
Exons	774..918, 1253..1740		
Seq. No.	43495	Seq. ID	OJ000250_57.0310.C10

Gene No.	91210	Strand	-
Start	1538	End	1787
Name	OJ000250_57.0310.C10.o1.gp	Method	AAT/GAP
Start	1538	End	1787
GI	LIB3475-004-P1-K2-A5	Score	430
Exons	1538..1787		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	43496	Seq. ID	OJ000250_57.0310.C17
Gene No.	91211	Strand	+
Start	1067	End	1334
Name	OJ000250_57.0310.C17.o1.gp	Method	AAT/GAP
Start	1067	End	1334
GI	76629_1.R1084	Score	499
Exons	1067..1334		
GI Descrip.	'4454483/gb\|AAD20930\| 5.0e-11 (AC006234) putative kinase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	43496	Seq. ID	OJ000250_57.0310.C17
Gene No.	91212	Strand	-
Start	1089	End	1253
Name	OJ000250_57.0310.C17.o1.gs	Method	GENSCAN
Start	1089	End	1253
GI	none	Score	.72
Exons	1089..1253		

Seq. No.	43497	Seq. ID	OJ000250_57.0310.C18
Gene No.	91213	Strand	+
Start	114	End	304
Name	OJ000250_57.0310.C18.o1.gs	Method	GENSCAN
Start	114	End	304
GI	none	Score	.6
Exons	114..304		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.gp	Method	AAT/GAP
Start	163	End	712
GI	858_1.R1084	Score	1084
Exons	163..712		
GI Descrip.	'3377509 0.0e+00 (AF056027) auxin transport protein REH1 [Oryza sativa]'		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.tc	Method	TBLASTX:Cress
Start	308	End	712
GI	none	Score	618
Exons	308..712, 309..710, 658..711		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.ts	Method	TBLASTX:Soybean

Start	308	End	599
GI	none	Score	439
Exons	308..598, 309..599		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	311	End	652
GI	none	Score	562
Exons	311..652, 312..650		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.gs	Method	GENSCAN
Start	312	End	682
GI	none	Score	.84
Exons	312..682		

Seq. No.	43498	Seq. ID	OJ000250_57.0310.C22
Gene No.	91214	Strand	+
Start	163	End	712
Name	OJ000250_57.0310.C22.o1.np	Method	AAT/NAP
Start	312	End	712
GI	7489524	Score	675
Exons	312..712		
GI Descrip.	probable auxin transport protein - rice gi\|3377509\|gb\|AAC39514.1\| (AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	1791
GI	4680179	Score	2900
Exons	1..1791		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o4.tw	Method	TBLASTX:Wheat
Start	19	End	325
GI	none	Score	233
Exons	19..324, 20..325		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	46	End	366
GI	none	Score	174
Exons	46..351, 49..366, 53..355		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6

Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.gs	Method	GENSCAN
Start	91	End	1773
GI	none	Score	.78
Exons	91..293, 441..985, 1331..1773		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	283	End	543
GI	none	Score	151
Exons	283..543, 284..538		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	307	End	624
GI	none	Score	87
Exons	307..450, 308..448, 451..624		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	331	End	858
GI	none	Score	238
Exons	331..858, 332..586, 337..777		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	367	End	681
GI	none	Score	101
Exons	367..681, 368..571, 379..600		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	898	End	1216
GI	none	Score	57
Exons	898..1008, 902..943, 1008..1169, 1011..1148, 1015..1170, 1171..1215, 1175..1216		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	898	End	1224
GI	none	Score	73
Exons	898..1002, 898..1011, 980..1012, 1011..1166, 1014..1169, 1015..1170, 1171..1224, 1175..1219		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	1632
GI	none	Score	242
Exons	1273..1632, 1274..1612		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	1294	End	1788
GI	none	Score	100
Exons	1294..1629, 1339..1542, 1615..1788		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	1345	End	1740
GI	none	Score	167
Exons	1345..1704, 1346..1609, 1660..1704, 1708..1740		

Seq. No.	43499	Seq. ID	OJ000250_50.0317.C6
Gene No.	91215	Strand	-
Start	1	End	1791
Name	OJ000250_50.0317.C6.o5.tw	Method	TBLASTX:Wheat
Start	1633	End	1789
GI	none	Score	184
Exons	1633..1788, 1640..1789, 1646..1789		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91216	Strand	+
Start	1024	End	1791
Name	OJ000250_50.0317.C7.o2.np	Method	AAT/NAP
Start	1024	End	1791
GI	4680183	Score	180
Exons	1024..1094, 1702..1791		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91217	Strand	+
Start	2478	End	3071
Name	OJ000250_50.0317.C7.o2.gs	Method	GENSCAN
Start	2478	End	3071
GI	none	Score	.99
Exons	2478..3071		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91218	Strand	+
Start	8610	End	10716
Name	OJ000250_50.0317.C7.o5.np	Method	AAT/NAP
Start	8610	End	10716
GI	7485509	Score	90
Exons	8610..8736, 10692..10716		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana		

gi|4678270|emb|CAB41178.1| (AL049660) protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91219	Strand	-
Start	1	End	3139
Name	OJ000250_50.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	3139
GI	4680179	Score	587
Exons	1..369, 2907..3139		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91219	Strand	-
Start	1	End	3139
Name	OJ000250_50.0317.C7.o1.gs	Method	GENSCAN
Start	47	End	1669
GI	none	Score	.85
Exons	47..341, 1507..1669		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91220	Strand	-
Start	6300	End	8075
Name	OJ000250_50.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	352
GI	none	Score	240
Exons	1..342, 2..307, 128..352		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91220	Strand	-
Start	6300	End	8075
Name	OJ000250_50.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	342
GI	none	Score	103
Exons	4..342, 5..271		

Seq. No.	43500	Seq. ID	OJ000250_50.0317.C7
Gene No.	91220	Strand	-
Start	6300	End	8075
Name	OJ000250_50.0317.C7.o4.np	Method	AAT/NAP
Start	6300	End	8075
GI	4960154	Score	119
Exons	6300..6328, 7758..8075		
GI Descrip.	(AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91221	Strand	+
Start	11244	End	14635
Name	OJ000250_50.0317.C8.o3.gs	Method	GENSCAN
Start	11244	End	14635
GI	none	Score	.74
Exons	11244..11281, 12910..13303, 13327..13530, 13552..13728, 13825..14343, 14417..14635		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91221	Strand	+

Start	11244	End	14635
Name	OJ000250_50.0317.C8.o4.gp	Method	AAT/GAP
Start	12653	End	13276
GI	none	Score	1004
Exons	12653..13120, 13217..13276		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91221	Strand	+
Start	11244	End	14635
Name	OJ000250_50.0317.C8.o2.np	Method	AAT/NAP
Start	13217	End	14632
GI	7488022	Score	780
Exons	13217..13345, 13552..13728, 13825..14343, 14417..14632		
GI Descrip.	polygalacturonase homolog T9A21.20 - Arabidopsis thaliana (fragment) gi\|2832691\|emb\|CAA16789.1\| (AL021713) polygalacturonase-like protein [Arabidopsis thaliana]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91222	Strand	+
Start	16166	End	16670
Name	OJ000250_50.0317.C8.o5.gp	Method	AAT/GAP
Start	16166	End	16670
GI	3460_1.R1084	Score	909
Exons	16166..16670		
GI Descrip.	'3786007 3.0e-10 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91223	Strand	+
Start	29340	End	35492
Name	OJ000250_50.0317.C8.o4.np	Method	AAT/NAP
Start	29340	End	35492
GI	7228457	Score	9316
Exons	29340..29706, 29768..31703, 31767..32601, 32724..33875, 33942..35492		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91224	Strand	+
Start	40492	End	42404
Name	OJ000250_50.0317.C8.o7.gs	Method	GENSCAN
Start	40492	End	42404
GI	none	Score	.43
Exons	40492..40569, 41063..41199, 41251..41317, 41331..41376, 42277..42404		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91225	Strand	+
Start	44760	End	47329
Name	OJ000250_50.0317.C8.o8.gs	Method	GENSCAN
Start	44760	End	47329
GI	none	Score	.58
Exons	44760..44981, 46108..46304, 47143..47329		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8

Gene No.	91226	Strand	+
Start	70797	End	78185
Name	OJ000250_50.0317.C8:o11.gs	Method	GENSCAN
Start	70797	End	78030
GI	none	Score	.67
Exons	70797..70869, 71515..71777, 73871..74150, 75496..75589, 75708..75871, 75877..75959, 76634..76681, 76785..76986, 77582..77751, 77866..78030		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91226	Strand	+
Start	70797	End	78185
Name	OJ000250_50.0317.C8.o11.gp	Method	AAT/GAP
Start	76275	End	78139
GI	596_2.R1084	Score	1127
Exons	76275..76367, 76634..76681, 76785..76986, 77582..77751, 77866..77994, 78084..78139		
GI Descrip.	'548774/sp\|P35685\|RL7A_ORYSA 1.0e-112 60S RIBOSOMAL PROTEIN L7A >gi_542158_pir__S38360 ribosomal protein L7a - rice >gi_303855_dbj_BAA02156_ (D12631) ribosomal protein L7A [Oryza sativa]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91226	Strand	+
Start	70797	End	78185
Name	OJ000250_50.0317.C8.o11.np	Method	AAT/NAP
Start	76631	End	78185
GI	548774	Score	917
Exons	76631..76681, 76785..76986, 77582..77751, 77866..77994, 78084..78185		
GI Descrip.	60S RIBOSOMAL PROTEIN L7A gi\|542158\|pir\|\|S38360 ribosomal protein L7a - rice gi\|303855\|dbj\|BAA02156\| (D12631) ribosomal protein L7A [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91227	Strand	-
Start	206	End	6109
Name	OJ000250_50.0317.C8.o1.gp	Method	AAT/GAP
Start	206	End	894
GI	86185_1.R1084	Score	1015
Exons	206..671, 778..894		
GI Descrip.	'2653285/emb\|CAA05816\| 2.0e-23 (AJ003025) enoyl-ACP reductase [Oryza sativa]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91227	Strand	-
Start	206	End	6109
Name	OJ000250_50.0317.C8.o1.np	Method	AAT/NAP
Start	544	End	4136
GI	7489537	Score	1494
Exons	544..671, 778..883, 1129..1203, 1369..1420, 1505..1556, 1868..1979, 2084..2158, 2314..2361, 2441..2525, 2614..2669, 2761..2870, 3887..4136		
GI Descrip.	probable enoyl-[acyl-carrier-protein] reductase (NADH) (EC 1.3.1.9) - rice gi\|2653285\|emb\|CAA05816.1\| (AJ003025) enoyl-ACP reductase [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91227	Strand	-
Start	206	End	6109
Name	OJ000250_50.0317.C8.o1.gs	Method	GENSCAN
Start	596	End	6109
GI	none	Score	.48
Exons	596..724, 1146..1203, 1868..1979, 2092..2158, 2314..2361, 2761..2870, 3887..3990, 4115..4143, 4683..4738, 6073..6109		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91227	Strand	-
Start	206	End	6109
Name	OJ000250_50.0317.C8.o2.gp	Method	AAT/GAP
Start	2461	End	4734
GI	60938_1.R1084	Score	961
Exons	2461..2525, 2614..2669, 2761..2870, 3887..4140, 4683..4734		
GI Descrip.	'2653285/emb\|CAA05816\| 6.0e-40 (AJ003025) enoyl-ACP reductase [Oryza sativa]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91228	Strand	-
Start	8627	End	9213
Name	OJ000250_50.0317.C8.o2.gs	Method	GENSCAN
Start	8627	End	9213
GI	none	Score	.44
Exons	8627..8933, 9065..9213		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91229	Strand	-
Start	9319	End	9409
Name	OJ000250_50.0317.C8.o3.gp	Method	AAT/GAP
Start	9319	End	9409
GI	90742_1.R1084	Score	101
Exons	9319..9409		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91230	Strand	-
Start	16523	End	21231
Name	OJ000250_50.0317.C8.o4.gs	Method	GENSCAN
Start	16523	End	21231
GI	none	Score	.92
Exons	16523..16798, 17654..18229, 18313..18670, 18788..19032, 20298..20494, 20624..20717, 20953..20987, 21123..21231		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91230	Strand	-
Start	16523	End	21231
Name	OJ000250_50.0317.C8.o3.np	Method	AAT/NAP
Start	16526	End	18983
GI	6850880	Score	1492
Exons	16526..16798, 17654..18229, 18313..18670, 18788..18983		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91230	Strand	-

Start	16523	End	21231
Name	OJ000250_50.0317.C8.o6.gp	Method	AAT/GAP
Start	17634	End	18070
GI	LIB3431-034-P1-K1-D3	Score	794
Exons	17634..18070		
GI Descrip.	'4539335/emb\|CAB37483.1\| 5.0e-56 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91230	Strand	-
Start	16523	End	21231
Name	OJ000250_50.0317.C8.o7.gp	Method	AAT/GAP
Start	18294	End	18941
GI	96544_1.R1084	Score	887
Exons	18294..18670, 18788..18941		
GI Descrip.	'3786007 3.0e-20 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91231	Strand	-
Start	36102	End	41006
Name	OJ000250_50.0317.C8.o6.gs	Method	GENSCAN
Start	36102	End	39329
GI	none	Score	.91
Exons	36102..39329		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91231	Strand	-
Start	36102	End	41006
Name	OJ000250_50.0317.C8.o5.np	Method	AAT/NAP
Start	36105	End	39329
GI	6907089	Score	4082
Exons	36105..37974, 38068..39329		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91231	Strand	-
Start	36102	End	41006
Name	OJ000250_50.0317.C8.o6.np	Method	AAT/NAP
Start	38948	End	41006
GI	5922623	Score	413
Exons	38948..38971, 40162..40237, 40405..40552, 40926..41006		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91231	Strand	-
Start	36102	End	41006
Name	OJ000250_50.0317.C8.o7.np	Method	AAT/NAP
Start	40162	End	41006
GI	5922623	Score	411
Exons	40162..40237, 40405..40552, 40926..41006		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91232	Strand	-
Start	51680	End	57702
Name	OJ000250_50.0317.C8.o9.gs	Method	GENSCAN
Start	51680	End	57702
GI	none	Score	.7
Exons	51680..52312, 52801..53884, 54003..54100, 54139..54751, 55304..55415, 55637..55801, 55896..55993, 56164..56273, 56372..56471, 56523..56586, 57203..57489, 57668..57702		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91232	Strand	-
Start	51680	End	57702
Name	OJ000250_50.0317.C8.o8.np	Method	AAT/NAP
Start	52774	End	56355
GI	4218991	Score	1703
Exons	52774..53884, 54003..54100, 54217..54751, 55304..55415, 55637..55801, 55896..55993, 56164..56355		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91232	Strand	-
Start	51680	End	57702
Name	OJ000250_50.0317.C8.o8.gp	Method	AAT/GAP
Start	55340	End	56527
GI	uC-osf1M202043h12b1	Score	928
Exons	55340..55415, 55637..55801, 55896..55993, 56164..56273, 56461..56527		
GI Descrip.	'3695019/gb\|AAC62611.1\| 3.0e-43 (AF055848) subtilisin-like protease [Arabidopsis thaliana]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91233	Strand	-
Start	58606	End	62120
Name	OJ000250_50.0317.C8.o9.gp	Method	AAT/GAP
Start	58606	End	60132
GI	59252_1.R1084	Score	1307
Exons	58606..58792, 59368..59543, 59627..59758, 59898..60132		
GI Descrip.	'2982942 1.0e-52 (AE000679) GMP synthase [Aquifex aeolicus]'		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91233	Strand	-
Start	58606	End	62120
Name	OJ000250_50.0317.C8.o9.np	Method	AAT/NAP
Start	58672	End	62120
GI	6456166	Score	1994
Exons	58672..58792, 59368..59543, 59627..59758, 59898..60273, 60358..60608, 61572..62120		
GI Descrip.	(AC011622) GMP synthase [Arabidopsis thaliana]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91234	Strand	-
Start	64675	End	65037
Name	OJ000250_50.0317.C8.o10.gp	Method	AAT/GAP
Start	64675	End	65037
GI	none	Score	645
Exons	64675..65037		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o9.tm	Method	TBLASTX:Maize
Start	470	End	4143
GI	none	Score	61
Exons	470..532, 471..533, 533..664, 534..665, 534..668, 535..672, 535..672, 536..691, 779..877, 780..878, 781..885, 1144..1203, 1145..1222, 1366..1419, 1367..1417, 1372..1446, 1502..1594, 1505..1567, 1861..1980, 1861..1980, 2081..2158, 2082..2171, 2312..2362, 2314..2361, 2438..2527, 2441..2521, 2611..2670, 2613..2669, 2614..2670, 2719..2880, 2761..2880, 2762..2881, 2763..2882, 3883..3960, 3883..3957, 3885..3959, 4047..4139, 4047..4142, 4051..4143, 4060..4140		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o11.ts	Method	TBLASTX:Soybean
Start	554	End	1569
GI	none	Score	120
Exons	554..691, 556..672, 560..676, 777..866, 779..877, 780..878, 1144..1203, 1145..1204, 1366..1419, 1367..1420, 1487..1558, 1502..1561, 1504..1569		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o10.tw	Method	TBLASTX:Wheat
Start	571	End	1944
GI	none	Score	126
Exons	571..675, 571..672, 575..691, 779..877, 780..878, 1144..1203, 1145..1222, 1359..1421, 1366..1428, 1366..1419, 1484..1570, 1501..1560, 1504..1593, 1506..1562, 1860..1895, 1861..1941, 1861..1944, 1862..1942		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o11.tc	Method	TBLASTX:Cress
Start	571	End	1593
GI	none	Score	79
Exons	571..609, 610..672, 614..673, 631..675, 779..877, 779..877, 780..878, 1139..1204, 1144..1203, 1366..1419, 1367..1420, 1487..1558, 1501..1560, 1504..1593		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o14.ts	Method	TBLASTX:Soybean
Start	1860	End	2524
GI	none	Score	141
Exons	1860..1982, 1867..1980, 2081..2158, 2082..2159, 2314..2361, 2438..2518, 2438..2524		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8

Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o10.tc	Method	TBLASTX:Cress
Start	1887	End	2881
GI	none	Score	89
Exons	1887..1982, 1888..1980, 2081..2158, 2082..2171, 2314..2361, 2318..2362, 2438..2524, 2438..2524, 2611..2670, 2616..2669, 2719..2880, 2762..2881		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	13268	End	14652
GI	none	Score	113
Exons	13268..13336, 13276..13335, 13326..13358, 13546..13638, 13546..13626, 13548..13637, 13644..13727, 13645..13728, 13680..13730, 13824..13997, 13825..14295, 13827..14294, 14287..14343, 14289..14342, 14414..14614, 14414..14635, 14419..14652		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o3.tc	Method	TBLASTX:Cress
Start	13268	End	14557
GI	none	Score	70
Exons	13268..13351, 13654..13728, 13825..14229, 13833..13898, 13944..14261, 14238..14312, 14239..14316, 14423..14503, 14428..14502, 14483..14557		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o4.ts	Method	TBLASTX:Soybean
Start	13849	End	14556
GI	none	Score	385
Exons	13849..14343, 13884..13982, 14019..14321, 14423..14503, 14428..14487, 14509..14556		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o8.tc	Method	TBLASTX:Cress
Start	16482	End	16798
GI	none	Score	166
Exons	16482..16790, 16535..16798		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o11.tw	Method	TBLASTX:Wheat
Start	16503	End	16756
GI	none	Score	153
Exons	16503..16754, 16526..16756		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8

Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	16521	End	18954
GI	none	Score	150
Exons	16521..16799, 16529..16798, 17654..18010, 17657..18001, 17658..18032, 18009..18215, 18023..18232, 18310..18423, 18311..18577, 18313..18672, 18796..18954		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	16601	End	18672
GI	none	Score	180
Exons	16601..16798, 16608..16799, 17654..18010, 17657..18007, 17658..18014, 18005..18226, 18009..18215, 18014..18238, 18311..18385, 18313..18438, 18313..18672, 18476..18610		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o4.tw	Method	TBLASTX:Wheat
Start	17648	End	18013
GI	none	Score	85
Exons	17648..17833, 17655..17828, 17657..18013, 17661..18002		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	17693	End	18673
GI	none	Score	315
Exons	17693..18238, 17702..18232, 18313..18672, 18329..18427, 18334..18516, 18455..18673		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o14.tm	Method	TBLASTX:Maize
Start	29519	End	55829
GI	none	Score	68
Exons	29519..29665, 54445..54675, 54446..54568, 54674..54754, 55635..55697, 55692..55829		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o9.tw	Method	TBLASTX:Wheat
Start	29994	End	30386
GI	none	Score	58
Exons	29994..30041, 30048..30146, 30065..30145, 30113..30352, 30129..30386		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697

Name	OJ000250_50.0317.C8.o15.tm	Method	TBLASTX:Maize
Start	29999	End	30284
GI	none	Score	193
Exons	29999..30283, 30036..30284		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o5.tw	Method	TBLASTX:Wheat
Start	31124	End	41403
GI	none	Score	401
Exons	31124..31297, 31125..31607, 31319..31579, 41239..41403		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	31775	End	32237
GI	none	Score	583
Exons	31775..32236, 31776..32237		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o17.ts	Method	TBLASTX:Soybean
Start	31815	End	32180
GI	none	Score	117
Exons	31815..32039, 32046..32180		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o8.tm	Method	TBLASTX:Maize
Start	31905	End	32261
GI	none	Score	389
Exons	31905..32261, 31940..32251, 31956..32261		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o11.tm	Method	TBLASTX:Maize
Start	32288	End	32672
GI	none	Score	356
Exons	32288..32653, 32289..32672		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	32345	End	32770
GI	none	Score	483
Exons	32345..32770, 32346..32765		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o9.ts	Method	TBLASTX:Soybean

Start	32424	End	32795
GI	none	Score	279
Exons	32424..32795, 32441..32584		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o8.tw	Method	TBLASTX:Wheat
Start	33396	End	33854
GI	none	Score	234
Exons	33396..33644, 33420..33644, 33485..33658, 33705..33854, 33716..33853		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o16.ts	Method	TBLASTX:Soybean
Start	33543	End	34109
GI	5666795	Score	68
Exons	33543..33641, 33717..33854, 33909..34109		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o15.tw	Method	TBLASTX:Wheat
Start	33857	End	34169
GI	none	Score	192
Exons	33857..34033, 33909..34169		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o10.tm	Method	TBLASTX:Maize
Start	34362	End	34694
GI	none	Score	359
Exons	34362..34685, 34379..34672, 34482..34694		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o7.tw	Method	TBLASTX:Wheat
Start	34499	End	34880
GI	none	Score	373
Exons	34499..34555, 34500..34880, 34601..34849		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o12.tw	Method	TBLASTX:Wheat
Start	34881	End	35483
GI	none	Score	265
Exons	34881..35165, 34886..35164, 35357..35479, 35358..35483		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697

Name	OJ000250_50.0317.C8.o16.tw	Method	TBLASTX:Wheat
Start	52764	End	52897
GI	none	Score	102
Exons	52764..52814, 52765..52893, 52766..52897		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o5.tm	Method	TBLASTX:Maize
Start	52771	End	54414
GI	none	Score	93
Exons	52771..52836, 52864..52983, 53047..53097, 53149..53262, 53150..53263, 53269..53832, 53288..53815, 53695..53832, 53815..53886, 53816..53887, 54217..54273, 54218..54274, 54274..54414, 54275..54379		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o2.tc	Method	TBLASTX:Cress
Start	52777	End	55416
GI	none	Score	77
Exons	52777..52950, 53041..53091, 53092..53262, 53150..53263, 53269..53802, 53279..53632, 53687..53815, 53815..53877, 54217..54423, 54233..54406, 54445..54675, 54446..54568, 54727..54753, 55312..55383, 55381..55416		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	52780	End	53878
GI	none	Score	283
Exons	52780..52839, 52897..53025, 53041..53073, 53128..53643, 53141..53605, 53680..53877, 53681..53878		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o6.ts	Method	TBLASTX:Soybean
Start	54217	End	55971
GI	none	Score	98
Exons	54217..54426, 54233..54391, 54445..54678, 54446..54562, 54721..54753, 55692..55808, 55891..55971		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o13.tw	Method	TBLASTX:Wheat
Start	54232	End	54609
GI	none	Score	116
Exons	54232..54414, 54233..54406, 54439..54522, 54526..54609		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o5.tc	Method	TBLASTX:Cress

Start	58651	End	59761
GI	none	Score	117
Exons	58651..58791, 58670..58786, 59364..59435, 59367..59414, 59407..59565, 59427..59564, 59624..59761, 59625..59759		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	58664	End	60413
GI	none	Score	172
Exons	58664..58792, 58666..58791, 58667..58792, 58669..58794, 59364..59561, 59364..59564, 59365..59565, 59624..59761, 59625..59759, 59625..59762, 59626..59760, 59895..60281, 59897..60130, 59898..60272, 59956..60276, 60355..60411, 60357..60413		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	59363	End	59930
GI	none	Score	261
Exons	59363..59551, 59364..59561, 59364..59564, 59624..59761, 59625..59759, 59626..59760, 59895..59930		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o4.tc	Method	TBLASTX:Cress
Start	59898	End	60479
GI	none	Score	162
Exons	59898..59966, 59952..60017, 60072..60269, 60136..60270, 60355..60465, 60357..60479		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o15.ts	Method	TBLASTX:Soybean
Start	60072	End	60261
GI	none	Score	161
Exons	60072..60251, 60076..60261		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o7.ts	Method	TBLASTX:Soybean
Start	60355	End	60599
GI	none	Score	267
Exons	60355..60591, 60357..60599, 60369..60593		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o12.tm	Method	TBLASTX:Maize
Start	60414	End	61613
GI	none	Score	286

Exons	60414..60611, 60415..60609, 60418..60612, 61569..61613		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o5.ts	Method	TBLASTX:Soybean
Start	61689	End	62096
GI	none	Score	271
Exons	61689..61721, 61767..62096, 61771..62094		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o6.tc	Method	TBLASTX:Cress
Start	61692	End	62091
GI	none	Score	254
Exons	61692..61748, 61764..62090, 61765..62091		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o6.tm	Method	TBLASTX:Maize
Start	61759	End	62109
GI	none	Score	471
Exons	61759..62109, 61764..62102		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o10.np	Method	AAT/NAP
Start	65031	End	69697
GI	7488109	Score	1585
Exons	65031..66154, 69279..69697		
GI Descrip.	probable glucanase - Arabidopsis thaliana gi\|2245077\|emb\|CAB10499.1\| (Z97343) glucanase like protein [Arabidopsis thaliana] gi\|7268469\|emb\|CAB80989.1\| (AL161545) glucanase like protein [Arabidopsis thaliana]		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o13.tm	Method	TBLASTX:Maize
Start	65090	End	65319
GI	none	Score	170
Exons	65090..65314, 65094..65318, 65109..65318, 65110..65319		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o8.ts	Method	TBLASTX:Soybean
Start	65265	End	65496
GI	none	Score	110
Exons	65265..65492, 65265..65495, 65266..65496, 65266..65496		
Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697

Name	OJ000250_50.0317.C8.o9.tc	Method	TBLASTX:Cress
Start	65463	End	66156
GI	none	Score	35
Exons	65463..65519, 65622..65846, 65873..66034, 66133..66156		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o12.ts	Method	TBLASTX:Soybean
Start	65589	End	65822
GI	none	Score	121
Exons	65589..65822, 65590..65793		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	65620	End	66076
GI	none	Score	285
Exons	65620..65856, 65622..65858, 65622..65861, 65850..65972, 65861..66076, 65868..66074		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o10.ts	Method	TBLASTX:Soybean
Start	65823	End	66077
GI	none	Score	112
Exons	65823..65864, 65862..65990, 65867..65992, 65990..66076, 66000..66077		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o12.tc	Method	TBLASTX:Cress
Start	69278	End	69544
GI	none	Score	93
Exons	69278..69544, 69284..69535		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91235	Strand	-
Start	65031	End	69697
Name	OJ000250_50.0317.C8.o13.ts	Method	TBLASTX:Soybean
Start	69368	End	69565
GI	none	Score	105
Exons	69368..69535, 69368..69565		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91236	Strand	
Start	76628	End	78139
Name	OJ000250_50.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	76628	End	78139
GI	none	Score	57
Exons	76628..76678, 76745..76882, 76785..76886, 76941..76985, 76946..76990, 77579..77749, 77580..77750, 77581..77751, 77674..77751, 77858..77983, 77862..77984, 77863..77997, 77863..77991, 78084..78137, 78084..78134, 78086..78139		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91236	Strand	
Start	76628	End	78139
Name	OJ000250_50.0317.C8.o14.tw	Method	TBLASTX:Wheat
Start	76633	End	76993
GI	none	Score	81
Exons	76633..76695, 76634..76681, 76785..76886, 76785..76985, 76941..76985, 76946..76993		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91236	Strand	
Start	76628	End	78139
Name	OJ000250_50.0317.C8.o7.tm	Method	TBLASTX:Maize
Start	76633	End	78139
GI	none	Score	84
Exons	76633..76707, 76634..76681, 76785..76886, 76785..76997, 76941..76985, 77580..77750, 77581..77751, 77674..77757, 77862..77993, 77863..78027, 77863..77991, 78083..78139, 78084..78137		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91236	Strand	
Start	76628	End	78139
Name	OJ000250_50.0317.C8.o7.tc	Method	TBLASTX:Cress
Start	76784	End	78139
GI	none	Score	170
Exons	76784..76882, 76785..76886, 76941..76985, 76946..76990, 77580..77750, 77581..77751, 77624..77764, 77697..77762, 77824..77991, 77858..78028, 77862..78011, 77863..78027, 77864..78028, 78084..78137, 78084..78137, 78086..78139		

Seq. No.	43501	Seq. ID	OJ000250_50.0317.C8
Gene No.	91236	Strand	
Start	76628	End	78139
Name	OJ000250_50.0317.C8.o6.tw	Method	TBLASTX:Wheat
Start	77630	End	78139
GI	none	Score	142
Exons	77630..77761, 77668..77751, 77676..77762, 77862..77993, 77863..77997, 77863..77991, 78083..78139, 78084..78137		

Seq. No.	43502	Seq. ID	OJ000250_50.0317.C9
Gene No.	91237	Strand	-
Start	15	End	76
Name	OJ000250_50.0317.C9.o1.gs	Method	GENSCAN
Start	15	End	76
GI	none	Score	.61
Exons	15..76		

Seq. No.	43503	Seq. ID	OJ000250_50.0317.C14
Gene No.	91238	Strand	-
Start	1	End	904
Name	OJ000250_50.0317.C14.o1.np	Method	AAT/NAP
Start	1	End	904
GI	7484804	Score	263
Exons	1..63, 129..227, 306..344, 432..487, 694..904		
GI Descrip.	amidotransferase (EC 2.4.2.-) / cyclase - Arabidopsis thaliana		

gi|4455213|emb|CAB36536.1| (AL035440) glutamine amidotransferase/cyclase [Arabidopsis thaliana]
gi|7269543|emb|CAB79545.1| (AL161566) glutamine amidotransferase/cyclase [Arabidopsis thaliana]

Seq. No.	43503	Seq. ID	OJ000250_50.0317.C14
Gene No.	91238	Strand	-
Start	1	End	904
Name	OJ000250_50.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	116	End	494
GI	none	Score	86
Exons	116..220, 126..182, 126..230, 169..228, 301..351, 302..334, 303..350, 423..494, 424..489		

Seq. No.	43503	Seq. ID	OJ000250_50.0317.C14
Gene No.	91238	Strand	-
Start	1	End	904
Name	OJ000250_50.0317.C14.o1.tc	Method	TBLASTX:Cress
Start	121	End	809
GI	none	Score	70
Exons	121..228, 126..230, 169..228, 301..351, 303..350, 695..808, 696..809, 696..809		

Seq. No.	43503	Seq. ID	OJ000250_50.0317.C14
Gene No.	91238	Strand	-
Start	1	End	904
Name	OJ000250_50.0317.C14.o1.gs	Method	GENSCAN
Start	129	End	808
GI	none	Score	.46
Exons	129..227, 306..344, 647..808		

Seq. No.	43504	Seq. ID	OJ000250_50.0317.C15
Gene No.	91239	Strand	+
Start	1	End	1292
Name	OJ000250_50.0317.C15.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	4680183	Score	144
Exons	1..105, 1147..1292		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43504	Seq. ID	OJ000250_50.0317.C15
Gene No.	91239	Strand	+
Start	1	End	1292
Name	OJ000250_50.0317.C15.o1.gs	Method	GENSCAN
Start	86	End	1248
GI	none	Score	.58
Exons	86..269, 1090..1189, 1203..1248		

Seq. No.	43504	Seq. ID	OJ000250_50.0317.C15		
Gene No.	91240	Strand	-		
Start	463	End	569		
Name	OJ000250_50.0317.C15.o1.gp	Method	AAT/GAP		
Start	463	End	569		
GI	uC-osf1cyp088b12b1	Score	154		
Exons	463..569				
GI Descrip.	'5257255/dbj	AP000364.1	AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43505	Seq. ID	OJ000250_50.0317.C17
Gene No.	91241	Strand	-
Start	61	End	246
Name	OJ000250_50.0317.C17.o1.gp	Method	AAT/GAP
Start	61	End	246
GI	5594_1.R1084	Score	321
Exons	61..246		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43505	Seq. ID	OJ000250_50.0317.C17
Gene No.	91242	Strand	-
Start	539	End	928
Name	OJ000250_50.0317.C17.o1.gs	Method	GENSCAN
Start	539	End	928
GI	none	Score	.9
Exons	539..566, 731..928		

Seq. No.	43506	Seq. ID	OJ000250_50.0317.C18
Gene No.	91243	Strand	-
Start	436	End	2262
Name	OJ000250_50.0317.C18.o1.gs	Method	GENSCAN
Start	436	End	2262
GI	none	Score	.79
Exons	436..938, 1733..1899, 2201..2262		

Seq. No.	43506	Seq. ID	OJ000250_50.0317.C18
Gene No.	91243	Strand	-
Start	436	End	2262
Name	OJ000250_50.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	517	End	850
GI	none	Score	216
Exons	517..579, 584..838, 644..850, 646..849		

Seq. No.	43507	Seq. ID	OJ000250_50.0317.C19
Gene No.	91244	Strand	-
Start	1	End	1577
Name	OJ000250_50.0317.C19.o1.np	Method	AAT/NAP
Start	1	End	1577
GI	7485859	Score	212
Exons	1..470, 1554..1577		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi\|4467124\|emb\|CAB37558.1\| (AL035538) hypothetical protein [Arabidopsis thaliana] gi\|7270802\|emb\|CAB80483.1\| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43507	Seq. ID	OJ000250_50.0317.C19
Gene No.	91244	Strand	-
Start	1	End	1577
Name	OJ000250_50.0317.C19.o1.gs	Method	GENSCAN
Start	50	End	455
GI	none	Score	.98
Exons	50..455		

Seq. No.	43508	Seq. ID	OJ000250_50.0317.C23
Gene No.	91245	Strand	+

Start	62	End	536
Name	OJ000250_50.0317.C23.o1.gs	Method	GENSCAN
Start	62	End	536
GI	none	Score	.63
Exons	62..147, 446..536		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o1.np	Method	AAT/NAP
Start	67	End	1676
GI	4680179	Score	1156
Exons	67..1134, 1168..1676		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o1.gs	Method	GENSCAN
Start	70	End	1246
GI	none	Score	.57
Exons	70..1246		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o3.tw	Method	TBLASTX:Wheat
Start	149	End	489
GI	none	Score	211
Exons	149..181, 292..489, 294..488, 340..489		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o1.tw	Method	TBLASTX:Wheat
Start	512	End	876
GI	none	Score	51
Exons	512..622, 525..719, 526..876		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	526	End	831
GI	none	Score	232
Exons	526..831, 540..656		

Seq. No.	43509	Seq. ID	OJ000250_50.0317.C24
Gene No.	91246	Strand	+
Start	67	End	1676
Name	OJ000250_50.0317.C24.o2.tw	Method	TBLASTX:Wheat
Start	1195	End	1616
GI	none	Score	155
Exons	1195..1404, 1450..1503, 1503..1616		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+

Start	1	End	1551
Name	OJ000250_50.0317.C25.o1.np	Method	AAT/NAP
Start	1	End	1551
GI	4680179	Score	2121
Exons	1..1551		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o4.tw	Method	TBLASTX:Wheat
Start	8	End	321
GI	none	Score	58
Exons	8..82, 64..144, 65..148, 152..181, 180..305, 180..311, 181..318, 253..321		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o3.tm	Method	TBLASTX:Maize
Start	14	End	327
GI	none	Score	142
Exons	14..181, 181..327		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o1.ts	Method	TBLASTX:Soybean
Start	214	End	609
GI	none	Score	57
Exons	214..246, 216..245, 250..609, 252..290, 318..608		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o3.tw	Method	TBLASTX:Wheat
Start	322	End	626
GI	none	Score	378
Exons	322..624, 323..403, 324..626		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o1.tm	Method	TBLASTX:Maize
Start	343	End	937
GI	none	Score	364
Exons	343..744, 477..743, 732..878, 896..937		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o1.tw	Method	TBLASTX:Wheat
Start	628	End	1129
GI	none	Score	92
Exons	628..741, 657..740, 726..881, 726..878, 728..928, 887..1129, 895..1047, 1073..1114		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o2.tw	Method	TBLASTX:Wheat
Start	1130	End	1551
GI	none	Score	87
Exons	1130..1243, 1154..1237, 1275..1550, 1276..1551		

Seq. No.	43510	Seq. ID	OJ000250_50.0317.C25
Gene No.	91247	Strand	+
Start	1	End	1551
Name	OJ000250_50.0317.C25.o2.tm	Method	TBLASTX:Maize
Start	1300	End	1551
GI	none	Score	219
Exons	1300..1551, 1380..1550		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.gp	Method	AAT/GAP
Start	1	End	692
GI	uC-osflcyp078c12b1	Score	431
Exons	1..104, 469..577, 646..692		
GI Descrip.	'3219164/dbj\|BAA28783\| 1.0e-69 (AB006210) glutamine amidotransferase/cyclase [Arabidopsis thaliana]'		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.np	Method	AAT/NAP
Start	1	End	2892
GI	7484804	Score	768
Exons	1..104, 469..577, 646..699, 1123..1210, 1282..1319, 1616..1721, 2385..2551, 2836..2892		
GI Descrip.	amidotransferase (EC 2.4.2.-) / cyclase - Arabidopsis thaliana gi\|4455213\|emb\|CAB36536.1\| (AL035440) glutamine amidotransferase/cyclase [Arabidopsis thaliana] gi\|7269543\|emb\|CAB79545.1\| (AL161566) glutamine amidotransferase/cyclase [Arabidopsis thaliana]		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.tc	Method	TBLASTX:Cress
Start	18	End	2553
GI	none	Score	115
Exons	18..104, 22..105, 466..585, 467..580, 645..692, 646..699, 1117..1209, 1119..1211, 1122..1190, 1123..1212, 1279..1317, 1280..1324, 1281..1325, 1615..1722, 1616..1723, 1637..1741, 2377..2499, 2384..2503, 2387..2548, 2483..2551, 2494..2550, 2500..2553		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o2.tm	Method	TBLASTX:Maize
Start	456	End	1175

GI	none	Score	127
Exons	456..578, 466..585, 467..580, 626..703, 646..699, 648..701, 1119..1175, 1123..1173		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.gs	Method	GENSCAN
Start	469	End	2895
GI	none	Score	.98
Exons	469..577, 1123..1210, 1282..1319, 1616..1721, 2385..2551, 2836..2895		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.ts	Method	TBLASTX:Soybean
Start	539	End	2551
GI	none	Score	56
Exons	539..580, 541..585, 645..692, 646..699, 1117..1194, 1119..1211, 1123..1212, 1268..1324, 1281..1325, 1615..1722, 1616..1723, 1652..1723, 2377..2550, 2384..2551, 2387..2551		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o2.gp	Method	AAT/GAP
Start	1123	End	3013
GI	18249_1.R1084	Score	1014
Exons	1123..1210, 1282..1319, 1616..1721, 2385..2551, 2836..3013		
GI Descrip.	'399942/sp\|Q02028\|HS7S_PEA 4.0e-48 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir__S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]'		

Seq. No.	43511	Seq. ID	OJ000250_50.0317.C29
Gene No.	91248	Strand	+
Start	1	End	3019
Name	OJ000250_50.0317.C29.o1.tm	Method	TBLASTX:Maize
Start	1176	End	3019
GI	none	Score	46
Exons	1176..1211, 1269..1325, 1279..1329, 1279..1320, 1280..1321, 1588..1722, 1615..1722, 1616..1723, 2377..2553, 2384..2554, 2833..2916, 2833..2916, 2835..2918, 2960..3019, 2962..3018		

Seq. No.	43512	Seq. ID	OJ000250_50.0317.C30
Gene No.	91249	Strand	+
Start	56	End	248
Name	OJ000250_50.0317.C30.o1.gp	Method	AAT/GAP
Start	56	End	248
GI	none	Score	351
Exons	56..248		

Seq. No.	43512	Seq. ID	OJ000250_50.0317.C30
Gene No.	91250	Strand	+

Start	469	End	2067
Name	OJ000250_50.0317.C30.o2.gp	Method	AAT/GAP
Start	469	End	1066
GI	25275_2.R1084	Score	388
Exons	469..575, 936..1066		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	43512	Seq. ID	OJ000250_50.0317.C30
Gene No.	91250	Strand	+
Start	469	End	2067
Name	OJ000250_50.0317.C30.o1.gs	Method	GENSCAN
Start	471	End	2067
GI	none	Score	.46
Exons	471..488, 1231..1324, 1357..1502, 2056..2067		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o1.np	Method	AAT/NAP
Start	1	End	1286
GI	7489803	Score	1511
Exons	1..1286		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi\|3645899\|gb\|AAC49502.1\| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o1.tc	Method	TBLASTX:Cress
Start	47	End	448
GI	none	Score	204
Exons	47..448		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o1.tm	Method	TBLASTX:Maize
Start	47	End	665
GI	none	Score	465
Exons	47..592, 51..659, 591..665, 593..664		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o1.ts	Method	TBLASTX:Soybean
Start	74	End	484
GI	none	Score	40
Exons	74..484, 180..248, 279..464		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o1.tw	Method	TBLASTX:Wheat
Start	329	End	893

GI	none	Score	132
Exons	329..613, 330..617, 615..641, 617..640, 623..892, 672..893		

Seq. No.	43513	Seq. ID	OJ000250_50.0317.C34
Gene No.	91251	Strand	-
Start	1	End	1286
Name	OJ000250_50.0317.C34.o2.tm	Method	TBLASTX:Maize
Start	665	End	1064
GI	none	Score	213
Exons	665..892, 666..893, 679..894, 679..894, 951..1064		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.gp	Method	AAT/GAP
Start	121	End	1257
GI	5594_1.R1084	Score	1513
Exons	121..554, 658..826, 911..1080, 1192..1257		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.tm	Method	TBLASTX:Maize
Start	292	End	2266
GI	none	Score	181
Exons	292..309, 401..553, 407..463, 411..554, 481..555, 640..828, 644..859, 782..829, 907..1080, 908..1081, 908..1084, 1189..1383, 1190..1372, 1192..1383, 1469..1534, 1470..1535, 1470..1535, 1471..1536, 1627..1818, 1632..1721, 1633..1800, 2044..2265, 2045..2107, 2046..2264, 2047..2265, 2102..2266		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.gs	Method	GENSCAN
Start	411	End	2090
GI	none	Score	.88
Exons	411..554, 658..826, 911..1080, 1192..1370, 1469..1534, 1623..1799, 2048..2090		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.ts	Method	TBLASTX:Soybean
Start	411	End	2265
GI	none	Score	112
Exons	411..554, 412..531, 652..825, 659..859, 907..1080, 911..1081, 1189..1371, 1190..1372, 1469..1525, 1470..1535, 1471..1536, 1627..1818, 1628..1723, 1630..1800, 2044..2265, 2046..2264		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.tc	Method	TBLASTX:Cress
Start	411	End	1755

GI	none	Score	136
Exons	411..554, 415..549, 652..825, 662..823, 907..954, 911..955, 922..1080, 968..1081, 989..1084, 1189..1299, 1190..1297, 1192..1299, 1295..1372, 1300..1380, 1300..1371, 1470..1535, 1471..1536, 1473..1544, 1475..1537, 1627..1755, 1628..1726		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o1.np	Method	AAT/NAP
Start	414	End	2266
GI	5672673	Score	1601
Exons	414..554, 658..826, 911..1080, 1192..1370, 1469..1534, 1626..1799, 2048..2266		
GI Descrip.	(AB018744) phosphoenolpyruvate carboxykinase [Zea mays]		

Seq. No.	43514	Seq. ID	OJ000250_50.0317.C37
Gene No.	91252	Strand	-
Start	121	End	2266
Name	OJ000250_50.0317.C37.o2.tc	Method	TBLASTX:Cress
Start	1756	End	2265
GI	none	Score	227
Exons	1756..1818, 2044..2265, 2046..2264		

Seq. No.	43515	Seq. ID	OJ000250_50.0317.C38
Gene No.	91253	Strand	+
Start	170	End	908
Name	OJ000250_50.0317.C38.o1.gs	Method	GENSCAN
Start	170	End	908
GI	none	Score	.6
Exons	170..449, 533..653, 760..908		

Seq. No.	43515	Seq. ID	OJ000250_50.0317.C38
Gene No.	91254	Strand	-
Start	1	End	409
Name	OJ000250_50.0317.C38.o1.np	Method	AAT/NAP
Start	1	End	409
GI	5672673	Score	208
Exons	1..44, 176..409		
GI Descrip.	(AB018744) phosphoenolpyruvate carboxykinase [Zea mays]		

Seq. No.	43515	Seq. ID	OJ000250_50.0317.C38
Gene No.	91254	Strand	-
Start	1	End	409
Name	OJ000250_50.0317.C38.o1.tm	Method	TBLASTX:Maize
Start	179	End	406
GI	none	Score	245
Exons	179..355, 180..350, 365..406, 366..404		

Seq. No.	43515	Seq. ID	OJ000250_50.0317.C38
Gene No.	91254	Strand	-
Start	1	End	409
Name	OJ000250_50.0317.C38.o1.ts	Method	TBLASTX:Soybean
Start	192	End	406
GI	none	Score	94
Exons	192..269, 194..271, 224..358, 246..359, 362..406, 363..404		

Seq. No.	43516	Seq. ID	OJ000250_50.0317.C39
Gene No.	91255	Strand	+
Start	1187	End	1516
Name	OJ000250_50.0317.C39.o1.gs	Method	GENSCAN
Start	1187	End	1516
GI	none	Score	.83
Exons	1187..1516		

Seq. No.	43517	Seq. ID	OJ000250_50.0317.C45
Gene No.	91256	Strand	+
Start	1	End	2135
Name	OJ000250_50.0317.C45.o1.np	Method	AAT/NAP
Start	1	End	2135
GI	7485968	Score	322
Exons	1..218, 685..957, 1034..1241, 2110..2135		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi\|4220532\|emb\|CAA23005.1\| (AL035356) putative protein [Arabidopsis thaliana] gi\|7269308\|emb\|CAB79368.1\| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	43517	Seq. ID	OJ000250_50.0317.C45
Gene No.	91256	Strand	+
Start	1	End	2135
Name	OJ000250_50.0317.C45.o1.gs	Method	GENSCAN
Start	695	End	1252
GI	none	Score	.61
Exons	695..820, 1034..1252		

Seq. No.	43517	Seq. ID	OJ000250_50.0317.C45
Gene No.	91257	Strand	-
Start	1158	End	1255
Name	OJ000250_50.0317.C45.o1.gp	Method	AAT/GAP
Start	1158	End	1255
GI	uC-osflcyp125e02b1	Score	164
Exons	1158..1255		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43518	Seq. ID	OJ000250_50.0317.C47
Gene No.	91258	Strand	-
Start	1462	End	1796
Name	OJ000250_50.0317.C47.o1.gs	Method	GENSCAN
Start	1462	End	1796
GI	none	Score	.59
Exons	1462..1530, 1559..1666, 1755..1796		

Seq. No.	43519	Seq. ID	OJ000250_50.0317.C48
Gene No.	91259	Strand	+
Start	2132	End	2545
Name	OJ000250_50.0317.C48.o1.gp	Method	AAT/GAP
Start	2132	End	2545
GI	uC-osroM202019d07a1	Score	748
Exons	2132..2545		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	43519	Seq. ID	OJ000250_50.0317.C48

Gene No.	91260	Strand	-
Start	511	End	2502
Name	OJ000250_50.0317.C48.o1.gs	Method	GENSCAN
Start	511	End	2502
GI	none	Score	.54
Exons	511..675, 742..907, 996..1099, 1196..1351, 1435..1522, 2381..2502		

Seq. No.	43519	Seq. ID	OJ000250_50.0317.C48
Gene No.	91260	Strand	-
Start	511	End	2502
Name	OJ000250_50.0317.C48.o1.tm	Method	TBLASTX:Maize
Start	799	End	1395
GI	none	Score	109
Exons	799..906, 800..907, 998..1102, 999..1181, 1196..1384, 1197..1385, 1260..1394, 1264..1395		

Seq. No.	43520	Seq. ID	OJ000250_50.0317.C49
Gene No.	91261	Strand	+
Start	1	End	1204
Name	OJ000250_50.0317.C49.o2.np	Method	AAT/NAP
Start	1	End	1204
GI	5852093	Score	84
Exons	1..33, 1100..1204		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	43520	Seq. ID	OJ000250_50.0317.C49
Gene No.	91261	Strand	+
Start	1	End	1204
Name	OJ000250_50.0317.C49.o1.gs	Method	GENSCAN
Start	557	End	656
GI	none	Score	.75
Exons	557..656		

Seq. No.	43520	Seq. ID	OJ000250_50.0317.C49
Gene No.	91262	Strand	-
Start	1	End	728
Name	OJ000250_50.0317.C49.o1.np	Method	AAT/NAP
Start	1	End	728
GI	7106512	Score	117
Exons	1..144, 546..595, 669..728		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43521	Seq. ID	OJ000250_50.0317.C51
Gene No.	91263	Strand	-
Start	671	End	965
Name	OJ000250_50.0317.C51.o1.gs	Method	GENSCAN
Start	671	End	965
GI	none	Score	.48
Exons	671..754, 892..965		

Seq. No.	43522	Seq. ID	OJ000250_50.0317.C53
Gene No.	91264	Strand	+
Start	516	End	1159
Name	OJ000250_50.0317.C53.o1.gs	Method	GENSCAN
Start	516	End	1159

GI	none	Score	.86
Exons	516..594, 656..809, 949..1159		
Seq. No.	43522	Seq. ID	OJ000250_50.0317.C53
Gene No.	91265	Strand	-
Start	1	End	146
Name	OJ000250_50.0317.C53.o1.gp	Method	AAT/GAP
Start	1	End	146
GI	4878407	Score	271
Exons	1..146		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o1.np	Method	AAT/NAP
Start	1	End	561
GI	6562266	Score	457
Exons	1..561		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o1.tw	Method	TBLASTX:Wheat
Start	70	End	350
GI	none	Score	111
Exons	70..339, 78..350, 99..194, 109..348		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o1.gp	Method	AAT/GAP
Start	77	End	216
GI	2355_1.R1084	Score	202
Exons	77..216		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o1.tm	Method	TBLASTX:Maize
Start	96	End	406
GI	none	Score	138
Exons	96..404, 99..191, 101..406, 109..405		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o1.ts	Method	TBLASTX:Soybean
Start	109	End	556
GI	none	Score	113
Exons	109..294, 110..295, 274..555, 286..552, 293..556		
Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55

Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o2.gp	Method	AAT/GAP
Start	349	End	554
GI	9214_2.R1084	Score	357
Exons	349..554		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 2.0e-12 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43523	Seq. ID	OJ000250_50.0317.C55
Gene No.	91266	Strand	-
Start	1	End	562
Name	OJ000250_50.0317.C55.o2.tm	Method	TBLASTX:Maize
Start	407	End	562
GI	none	Score	192
Exons	407..562, 409..552		

Seq. No.	43524	Seq. ID	OJ000250_50.0317.C56
Gene No.	91267	Strand	-
Start	802	End	906
Name	OJ000250_50.0317.C56.o1.gs	Method	GENSCAN
Start	802	End	906
GI	none	Score	.71
Exons	802..906		

Seq. No.	43525	Seq. ID	OJ000250_50.0317.C57
Gene No.	91268	Strand	-
Start	798	End	942
Name	OJ000250_50.0317.C57.o1.gp	Method	AAT/GAP
Start	798	End	942
GI	LIB3433-003-Q6-K6-F12	Score	269
Exons	798..942		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 9.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43525	Seq. ID	OJ000250_50.0317.C57
Gene No.	91268	Strand	-
Start	798	End	942
Name	OJ000250_50.0317.C57.o1.tm	Method	TBLASTX:Maize
Start	798	End	940
GI	none	Score	218
Exons	798..938, 800..940, 801..938		

Seq. No.	43525	Seq. ID	OJ000250_50.0317.C57
Gene No.	91268	Strand	-
Start	798	End	942
Name	OJ000250_50.0317.C57.o1.gs	Method	GENSCAN
Start	798	End	931
GI	none	Score	.99
Exons	798..931		

Seq. No.	43526	Seq. ID	OJ000250_50.0317.C61
Gene No.	91269	Strand	-
Start	27	End	1003
Name	OJ000250_50.0317.C61.o1.gs	Method	GENSCAN
Start	27	End	254
GI	none	Score	.56

Exons	27..254		
Seq. No.	43526	Seq. ID	OJ000250_50.0317.C61
Gene No.	91269	Strand	-
Start	27	End	1003
Name	OJ000250_50.0317.C61.o1.np	Method	AAT/NAP
Start	120	End	1003
GI	6907088	Score	194
Exons	120..575, 916..1003		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	43527	Seq. ID	OJ000250_50.0317.C65
Gene No.	91270	Strand	+
Start	468	End	602
Name	OJ000250_50.0317.C65.o1.gs	Method	GENSCAN
Start	468	End	602
GI	none	Score	.46
Exons	468..602		
Seq. No.	43527	Seq. ID	OJ000250_50.0317.C65
Gene No.	91271	Strand	-
Start	1	End	1718
Name	OJ000250_50.0317.C65.o1.np	Method	AAT/NAP
Start	1	End	1012
GI	4680186	Score	199
Exons	1..45, 129..201, 783..1012		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	43527	Seq. ID	OJ000250_50.0317.C65
Gene No.	91271	Strand	-
Start	1	End	1718
Name	OJ000250_50.0317.C65.o2.np	Method	AAT/NAP
Start	193	End	1718
GI	7340860	Score	75
Exons	193..286, 1619..1718		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43527	Seq. ID	OJ000250_50.0317.C65
Gene No.	91271	Strand	-
Start	1	End	1718
Name	OJ000250_50.0317.C65.o2.gs	Method	GENSCAN
Start	1604	End	1718
GI	none	Score	.86
Exons	1604..1718		
Seq. No.	43528	Seq. ID	OJ000250_50.0317.C68
Gene No.	91272	Strand	-
Start	548	End	877
Name	OJ000250_50.0317.C68.o1.np	Method	AAT/NAP
Start	548	End	877
GI	4680183	Score	120
Exons	548..639, 770..877		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	43529	Seq. ID	OJ000250_50.0317.C79
Gene No.	91273	Strand	+

Start	745	End	837
Name	OJ000250_50.0317.C79.o1.gs	Method	GENSCAN
Start	745	End	837
GI	none	Score	.56
Exons	745..837		

Seq. No.	43529	Seq. ID	OJ000250_50.0317.C79
Gene No.	91274	Strand	-
Start	1762	End	1937
Name	OJ000250_50.0317.C79.o2.gs	Method	GENSCAN
Start	1762	End	1937
GI	none	Score	.89
Exons	1762..1937		

Seq. No.	43530	Seq. ID	OJ000250_50.0317.C80
Gene No.	91275	Strand	+
Start	1470	End	1734
Name	OJ000250_50.0317.C80.o1.gp	Method	AAT/GAP
Start	1470	End	1734
GI	uC-osroM202019d07b1	Score	447
Exons	1470..1734		
GI Descrip.	'3367591/emb\|CAA20043\| 2.0e-12 (AL031135) putative protein [Arabidopsis thaliana]'		

Seq. No.	43531	Seq. ID	OJ000250_50.0317.C82
Gene No.	91276	Strand	-
Start	1	End	1102
Name	OJ000250_50.0317.C82.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	5672673	Score	296
Exons	1..187, 290..423, 523..733, 1067..1102		
GI Descrip.	(AB018744) phosphoenolpyruvate carboxykinase [Zea mays]		

Seq. No.	43531	Seq. ID	OJ000250_50.0317.C82
Gene No.	91276	Strand	-
Start	1	End	1102
Name	OJ000250_50.0317.C82.o1.gs	Method	GENSCAN
Start	74	End	728
GI	none	Score	.89
Exons	74..183, 295..423, 523..728		

Seq. No.	43531	Seq. ID	OJ000250_50.0317.C82
Gene No.	91276	Strand	-
Start	1	End	1102
Name	OJ000250_50.0317.C82.o1.gp	Method	AAT/GAP
Start	98	End	378
GI	uC-osroM202032e08b1	Score	189
Exons	98..183, 287..378		
GI Descrip.	'4490732/emb\|CAB38935.1\| 2.0e-87 (AL035709) phosphoenolpyruvate carboxykinase (ATP)-like protein [Arabidopsis thaliana]'		

Seq. No.	43532	Seq. ID	OJ000250_50.0317.C84
Gene No.	91277	Strand	+
Start	602	End	1158
Name	OJ000250_50.0317.C84.o1.gs	Method	GENSCAN
Start	602	End	1158
GI	none	Score	.77

Exons	602..727, 1122..1158		
Seq. No.	43533	Seq. ID	OJ000250_50.0317.C85
Gene No.	91278	Strand	+
Start	1	End	2538
Name	OJ000250_50.0317.C85.o1.np	Method	AAT/NAP
Start	1	End	2538
GI	7485968	Score	195
Exons	1..39, 1121..1270, 1372..1484, 1645..1722, 2108..2149, 2486..2538		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi\|4220532\|emb\|CAA23005.1\| (AL035356) putative protein [Arabidopsis thaliana] gi\|7269308\|emb\|CAB79368.1\| (AL161561) putative protein [Arabidopsis thaliana]		
Seq. No.	43533	Seq. ID	OJ000250_50.0317.C85
Gene No.	91278	Strand	+
Start	1	End	2538
Name	OJ000250_50.0317.C85.o1.gs	Method	GENSCAN
Start	270	End	2146
GI	none	Score	.62
Exons	270..437, 1380..1484, 1645..1722, 1929..1984, 2077..2146		
Seq. No.	43534	Seq. ID	OJ000250_50.0317.C86
Gene No.	91279	Strand	+
Start	1	End	1509
Name	OJ000250_50.0317.C86.o1.np	Method	AAT/NAP
Start	1	End	1509
GI	7485968	Score	102
Exons	1..98, 692..755, 837..920, 1334..1509		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi\|4220532\|emb\|CAA23005.1\| (AL035356) putative protein [Arabidopsis thaliana] gi\|7269308\|emb\|CAB79368.1\| (AL161561) putative protein [Arabidopsis thaliana]		
Seq. No.	43534	Seq. ID	OJ000250_50.0317.C86
Gene No.	91279	Strand	+
Start	1	End	1509
Name	OJ000250_50.0317.C86.o1.tm	Method	TBLASTX:Maize
Start	1133	End	1501
GI	none	Score	171
Exons	1133..1249, 1135..1248, 1330..1470, 1331..1474, 1331..1468, 1374..1469, 1464..1499, 1466..1501		
Seq. No.	43535	Seq. ID	OJ000250_50.0317.C87
Gene No.	91280	Strand	-
Start	1	End	1670
Name	OJ000250_50.0317.C87.o1.np	Method	AAT/NAP
Start	1	End	1670
GI	7489737	Score	255
Exons	1..499, 1623..1670		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi\|3645898\|gb\|AAC49501.1\| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	43535	Seq. ID	OJ000250_50.0317.C87
Gene No.	91281	Strand	-

Start	2603	End	3037
Name	OJ000250_50.0317.C87.o2.gs	Method	GENSCAN
Start	2603	End	3037
GI	none	Score	.51
Exons	2603..3037		

Seq. No.	43536	Seq. ID	OJ000250_50.0317.C88
Gene No.	91282	Strand	+
Start	1	End	466
Name	OJ000250_50.0317.C88.o1.np	Method	AAT/NAP
Start	1	End	466
GI	4680186	Score	309
Exons	1..40, 266..466		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43536	Seq. ID	OJ000250_50.0317.C88
Gene No.	91283	Strand	+
Start	383	End	2336
Name	OJ000250_50.0317.C88.o2.np	Method	AAT/NAP
Start	383	End	2336
GI	4680186	Score	209
Exons	383..452, 2132..2336		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43536	Seq. ID	OJ000250_50.0317.C88
Gene No.	91284	Strand	-
Start	14	End	399
Name	OJ000250_50.0317.C88.o1.gp	Method	AAT/GAP
Start	14	End	399
GI	uC-osflcyp033a04b1	Score	637
Exons	14..399		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43536	Seq. ID	OJ000250_50.0317.C88
Gene No.	91285	Strand	-
Start	1373	End	1878
Name	OJ000250_50.0317.C88.o3.gs	Method	GENSCAN
Start	1373	End	1878
GI	none	Score	.56
Exons	1373..1439, 1802..1878		

Seq. No.	43536	Seq. ID	OJ000250_50.0317.C88
Gene No.	91286	Strand	-
Start	1880	End	2265
Name	OJ000250_50.0317.C88.o3.gp	Method	AAT/GAP
Start	1880	End	2265
GI	uC-osflcyp033a04b1	Score	633
Exons	1880..2265		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43537	Seq. ID	OJ000250_50.0317.C91
Gene No.	91287	Strand	+
Start	156	End	275
Name	OJ000250_50.0317.C91.o1.gs	Method	GENSCAN
Start	156	End	275

GI	none	Score	.98
Exons	156..275		
Seq. No.	43537	Seq. ID	OJ000250_50.0317.C91
Gene No.	91288	Strand	-
Start	494	End	1404
Name	OJ000250_50.0317.C91.o2.gs	Method	GENSCAN
Start	494	End	1404
GI	none	Score	.45
Exons	494..528, 976..1098, 1104..1404		
Seq. No.	43538	Seq. ID	OJ000250_50.0317.C92
Gene No.	91289	Strand	-
Start	214	End	695
Name	OJ000250_50.0317.C92.o1.gs	Method	GENSCAN
Start	214	End	695
GI	none	Score	.5
Exons	214..316, 619..695		
Seq. No.	43539	Seq. ID	OJ000250_50.0317.C94
Gene No.	91290	Strand	-
Start	153	End	1061
Name	OJ000250_50.0317.C94.o1.gs	Method	GENSCAN
Start	153	End	1061
GI	none	Score	.79
Exons	153..281, 416..1061		
Seq. No.	43540	Seq. ID	OJ000250_50.0317.C97
Gene No.	91291	Strand	+
Start	1246	End	1329
Name	OJ000250_50.0317.C97.o1.gs	Method	GENSCAN
Start	1246	End	1329
GI	none	Score	.84
Exons	1246..1329		
Seq. No.	43540	Seq. ID	OJ000250_50.0317.C97
Gene No.	91292	Strand	-
Start	1	End	84
Name	OJ000250_50.0317.C97.o1.np	Method	AAT/NAP
Start	1	End	84
GI	7488109	Score	88
Exons	1..84		
GI Descrip.	probable glucanase - Arabidopsis thaliana gi\|2245077\|emb\|CAB10499.1\| (Z97343) glucanase like protein [Arabidopsis thaliana] gi\|7268469\|emb\|CAB80989.1\| (AL161545) glucanase like protein [Arabidopsis thaliana]		
Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91293	Strand	+
Start	3831	End	4036
Name	OJ000250_54.0309.C2.o1.np	Method	AAT/NAP
Start	3831	End	4036
GI	4680186	Score	248
Exons	3831..4036		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2

Gene No.	91295	Strand	-
Start	1160	End	11139
Name	OJ000250_54.0309.C2.o1.gs	Method	GENSCAN
Start	1160	End	11139
GI	none	Score	.51
Exons	1160..1659, 1703..2324, 2648..2712, 4449..4530, 4955..5075, 5081..5649, 5696..6079, 10625..10754, 10805..11139		

Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91295	Strand	-
Start	1160	End	11139
Name	OJ000250_54.0309.C2.o2.np	Method	AAT/NAP
Start	4429	End	6314
GI	6907087	Score	1274
Exons	4429..4530, 5081..5735, 5944..6314		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91296	Strand	-
Start	12995	End	13334
Name	OJ000250_54.0309.C2.o2.gs	Method	GENSCAN
Start	12995	End	13334
GI	none	Score	.92
Exons	12995..13180, 13191..13334		

Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91297	Strand	-
Start	15426	End	17492
Name	OJ000250_54.0309.C2.o3.gs	Method	GENSCAN
Start	15426	End	17492
GI	none	Score	.56
Exons	15426..15499, 17375..17492		

Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91298	Strand	-
Start	18529	End	21851
Name	OJ000250_54.0309.C2.o4.gs	Method	GENSCAN
Start	18529	End	21486
GI	none	Score	.6
Exons	18529..18844, 19042..19813, 19855..19987, 20003..20731, 20749..21486		

Seq. No.	43541	Seq. ID	OJ000250_54.0309.C2
Gene No.	91298	Strand	-
Start	18529	End	21851
Name	OJ000250_54.0309.C2.o3.np	Method	AAT/NAP
Start	18538	End	21851
GI	4539660	Score	3932
Exons	18538..21851		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	43542	Seq. ID	OJ000250_54.0309.C3
Gene No.	91299	Strand	-
Start	1	End	1711
Name	OJ000250_54.0309.C3.o1.np	Method	AAT/NAP

Start	1	End	1711
GI	5257279	Score	1021
Exons	1..266, 894..1130, 1478..1711		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	43542	Seq. ID	OJ000250_54.0309.C3
Gene No.	91299	Strand	-
Start	1	End	1711
Name	OJ000250_54.0309.C3.o1.gs	Method	GENSCAN
Start	45	End	485
GI	none	Score	.58
Exons	45..485		

Seq. No.	43543	Seq. ID	OJ000250_54.0309.C4
Gene No.	91300	Strand	-
Start	1	End	1049
Name	OJ000250_54.0309.C4.o1.np	Method	AAT/NAP
Start	1	End	1049
GI	7489400	Score	435
Exons	1..546, 1005..1049		
GI Descrip.	NBS-LRR type resistance protein - barley (fragment) gi\|2792216\|gb\|AAB96983.1\| (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	43543	Seq. ID	OJ000250_54.0309.C4
Gene No.	91300	Strand	-
Start	1	End	1049
Name	OJ000250_54.0309.C4.o1.gs	Method	GENSCAN
Start	20	End	542
GI	none	Score	.48
Exons	20..542		

Seq. No.	43544	Seq. ID	OJ000250_54.0309.C7
Gene No.	91302	Strand	-
Start	116	End	835
Name	OJ000250_54.0309.C7.o1.gs	Method	GENSCAN
Start	116	End	532
GI	none	Score	.56
Exons	116..532		

Seq. No.	43544	Seq. ID	OJ000250_54.0309.C7
Gene No.	91302	Strand	-
Start	116	End	835
Name	OJ000250_54.0309.C7.o1.np	Method	AAT/NAP
Start	194	End	835
GI	5852180	Score	210
Exons	194..559, 740..835		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91303	Strand	+
Start	1401	End	1847
Name	OJ000250_54.0309.C10.o1.gp	Method	AAT/GAP
Start	1401	End	1847
GI	71481_1.R1084	Score	733
Exons	1401..1847		

GI Descrip.	'3660464/emb\|AJ001753\|ATI134T 1.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase'		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91304	Strand	+
Start	2054	End	2494
Name	OJ000250_54.0309.C10.o2.gp	Method	AAT/GAP
Start	2054	End	2494
GI	6024955	Score	784
Exons	2054..2494		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91305	Strand	+
Start	7088	End	7909
Name	OJ000250_54.0309.C10.o3.gs	Method	GENSCAN
Start	7088	End	7909
GI	none	Score	.64
Exons	7088..7129, 7522..7604, 7696..7909		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	18	End	227
GI	none	Score	130
Exons	18..107, 23..121, 29..112, 120..209, 120..212, 200..226, 201..227		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o2.gs	Method	GENSCAN
Start	1710	End	4790
GI	none	Score	.68
Exons	1710..2939, 3216..3305, 3325..3606, 3704..3850, 4266..4458, 4576..4790		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o2.np	Method	AAT/NAP
Start	1967	End	7624
GI	119714	Score	139
Exons	1967..2206, 2306..2402, 3666..3969, 4049..4233, 4596..4657, 4846..4925, 6335..6375, 6542..6621, 7352..7624		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		
Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	2175	End	3553
GI	none	Score	71
Exons	2175..2222, 2207..2290, 2208..2303, 2224..2337, 2381..2512,		

2388..2681, 2389..2544, 2646..2777, 2671..2772, 2675..2773, 2766..2945, 2823..2945, 3322..3552, 3323..3553

Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o3.gp	Method	AAT/GAP
Start	2538	End	3450
GI	3759642	Score	1027
Exons	2538..2939, 3325..3450		

Seq. No.	43545	Seq. ID	OJ000250_54.0309.C10
Gene No.	91306	Strand	-
Start	1710	End	7624
Name	OJ000250_54.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	2853	End	3561
GI	none	Score	80
Exons	2853..2945, 2860..2940, 3322..3561		

Seq. No.	43546	Seq. ID	OJ000250_54.0309.C11
Gene No.	91307	Strand	+
Start	255	End	2032
Name	OJ000250_54.0309.C11.o1.gs	Method	GENSCAN
Start	255	End	2032
GI	none	Score	.56
Exons	255..381, 1983..2032		

Seq. No.	43546	Seq. ID	OJ000250_54.0309.C11
Gene No.	91308	Strand	+
Start	4315	End	5732
Name	OJ000250_54.0309.C11.o2.np	Method	AAT/NAP
Start	4315	End	5732
GI	83996	Score	174
Exons	4315..5218, 5260..5732		
GI Descrip.	hypothetical protein 1 (CYb-COII intergenic region) - Sauroleishmania tarentolae mitochondrion (SGC6) (fragment) gi\|896286 (M10126) NH2 terminus uncertain [Leishmania tarentolae]		

Seq. No.	43546	Seq. ID	OJ000250_54.0309.C11
Gene No.	91309	Strand	-
Start	176	End	4001
Name	OJ000250_54.0309.C11.o1.np	Method	AAT/NAP
Start	176	End	3980
GI	6721547	Score	87
Exons	176..219, 3891..3980		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43546	Seq. ID	OJ000250_54.0309.C11
Gene No.	91309	Strand	-
Start	176	End	4001
Name	OJ000250_54.0309.C11.o2.gs	Method	GENSCAN
Start	2789	End	4001
GI	none	Score	.54
Exons	2789..2803, 3912..4001		

Seq. No.	43546	Seq. ID	OJ000250_54.0309.C11

Gene No.	91310	Strand	-
Start	7355	End	7567
Name	OJ000250_54.0309.C11.o3.gs	Method	GENSCAN
Start	7355	End	7567
GI	none	Score	.53
Exons	7355..7567		

Seq. No.	43547	Seq. ID	OJ000250_54.0309.C12
Gene No.	91311	Strand	-
Start	2478	End	2783
Name	OJ000250_54.0309.C12.o2.gs	Method	GENSCAN
Start	2478	End	2783
GI	none	Score	.84
Exons	2478..2783		

Seq. No.	43547	Seq. ID	OJ000250_54.0309.C12
Gene No.	91312	Strand	-
Start	4153	End	7941
Name	OJ000250_54.0309.C12.o3.gs	Method	GENSCAN
Start	4153	End	7941
GI	none	Score	.72
Exons	4153..4418, 5588..5715, 7443..7941		

Seq. No.	43548	Seq. ID	OJ000250_54.0309.C13
Gene No.	91313	Strand	+
Start	16	End	1264
Name	OJ000250_54.0309.C13.o1.gs	Method	GENSCAN
Start	16	End	1264
GI	none	Score	.53
Exons	16..539, 1168..1264		

Seq. No.	43548	Seq. ID	OJ000250_54.0309.C13
Gene No.	91314	Strand	-
Start	1805	End	2074
Name	OJ000250_54.0309.C13.o2.gs	Method	GENSCAN
Start	1805	End	2074
GI	none	Score	.87
Exons	1805..2074		

Seq. No.	43548	Seq. ID	OJ000250_54.0309.C13
Gene No.	91315	Strand	-
Start	2962	End	3445
Name	OJ000250_54.0309.C13.o1.gp	Method	AAT/GAP
Start	2962	End	3420
GI	10346_1.R1084	Score	854
Exons	2962..3420		
GI Descrip.	'3128218 2.0e-48 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	43548	Seq. ID	OJ000250_54.0309.C13
Gene No.	91315	Strand	-
Start	2962	End	3445
Name	OJ000250_54.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	3256	End	3445
GI	none	Score	164
Exons	3256..3414, 3257..3445		

Seq. No.	43548	Seq. ID	OJ000250_54.0309.C13
Gene No.	91315	Strand	-
Start	2962	End	3445
Name	OJ000250_54.0309.C13.o1.np	Method	AAT/NAP
Start	3283	End	3411
GI	3128218	Score	132
Exons	3283..3411		
GI Descrip.	(AC004077) putative katanin [Arabidopsis thaliana]		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o1.np	Method	AAT/NAP
Start	1	End	5582
GI	3128218	Score	965
Exons	1..201, 923..1024, 1437..1597, 2555..2639, 3257..3323, 4143..4250, 4348..4418, 5223..5399, 5541..5582		
GI Descrip.	(AC004077) putative katanin [Arabidopsis thaliana]		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	1	End	5402
GI	none	Score	269
Exons	1..201, 2..202, 913..1026, 920..1036, 922..1026, 924..1034, 1425..1628, 1434..1598, 1438..1638, 1438..1608, 2553..2642, 2554..2640, 3257..3325, 3258..3332, 4140..4253, 4140..4250, 4142..4252, 4347..4412, 4348..4413, 4348..4413, 5033..5095, 5034..5108, 5040..5111, 5199..5279, 5209..5280, 5343..5402, 5355..5402		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	1575
GI	none	Score	152
Exons	1..201, 29..202, 920..1036, 924..1025, 1353..1511, 1441..1497, 1494..1574, 1495..1575		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1012
GI	none	Score	168
Exons	2..202, 7..198, 923..1006, 923..1012, 924..1010		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o1.gs	Method	GENSCAN
Start	26	End	10235
GI	none	Score	.67
Exons	26..182, 925..1024, 1437..1611, 4143..4286, 5049..5095, 5205..5399, 5633..5836, 6932..7156, 7251..7280, 7312..7392,		

7419..7533, 7684..7861, 7958..8048, 8467..8508, 9298..9356, 10007..10093, 10208..10235

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o2.ts	Method	TBLASTX:Soybean
Start	2552	End	4429
GI	none	Score	133
Exons	2552..2641, 2553..2642, 2554..2640, 3256..3321, 3257..3325, 3258..3332, 4087..4254, 4124..4252, 4140..4280, 4142..4255, 4336..4413, 4347..4412, 4358..4429		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o2.gp	Method	AAT/GAP
Start	4147	End	5708
GI	50029_1.R1084	Score	999
Exons	4147..4250, 4348..4413, 5049..5095, 5205..5399, 5541..5708		
GI Descrip.	'3128218 1.0e-09 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o3.tc	Method	TBLASTX:Cress
Start	4154	End	4412
GI	none	Score	132
Exons	4154..4252, 4154..4255, 4347..4412		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o3.gp	Method	AAT/GAP
Start	7556	End	10237
GI	3898_1.R1084	Score	1230
Exons	7556..7866, 7958..8055, 8314..8387, 8467..8508, 9298..9356, 10007..10093, 10208..10237		
GI Descrip.	'5381319/gb\|AAD42941.1\|AF091621_1 5.0e-81 (AF091621) ubiquitin-conjugating enzyme E2 [Catharanthus roseus]'		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	7587	End	9359
GI	none	Score	128
Exons	7587..7712, 7597..7707, 7610..7708, 7722..7766, 7723..7758, 7756..7830, 7760..7831, 7827..7862, 7829..7867, 7830..7874, 7951..8064, 7953..8057, 7960..8076, 8314..8388, 8315..8389, 8316..8390, 8351..8395, 8464..8511, 8469..8510, 9295..9351, 9297..9359, 9298..9357		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264

Name	OJ000250_54.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	7740	End	10089
GI	none	Score	50
Exons	7740..7790, 7744..7785, 7829..7867, 7830..7874, 7936..8064, 7953..8057, 7958..8080, 8314..8388, 8316..8390, 8316..8360, 8318..8389, 8459..8509, 8464..8511, 9295..9351, 9302..9379, 9303..9380, 10003..10086, 10005..10067, 10005..10088, 10006..10089		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o2.tc	Method	TBLASTX:Cress
Start	7827	End	10095
GI	none	Score	51
Exons	7827..7874, 7829..7867, 7951..8064, 7953..8138, 8313..8360, 8314..8388, 8350..8388, 8459..8509, 8464..8511, 9295..9351, 10005..10094, 10006..10095		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o3.ts	Method	TBLASTX:Soybean
Start	7829	End	9339
GI	none	Score	55
Exons	7829..7870, 7833..7871, 7951..8082, 7956..8057, 7957..8082, 8314..8388, 8316..8360, 8461..8511, 8464..8511, 9295..9339		

Seq. No.	43549	Seq. ID	OJ000250_54.0309.C14
Gene No.	91316	Strand	-
Start	1	End	10264
Name	OJ000250_54.0309.C14.o2.np	Method	AAT/NAP
Start	7832	End	10264
GI	5381319	Score	514
Exons	7832..7866, 7958..8055, 8314..8387, 8467..8508, 9298..9356, 10007..10093, 10208..10264		
GI Descrip.	(AF091621) ubiquitin-conjugating enzyme E2 [Catharanthus roseus]		

Seq. No.	43550	Seq. ID	OJ000250_54.0309.C15
Gene No.	91317	Strand	+
Start	1507	End	4235
Name	OJ000250_54.0309.C15.o1.gs	Method	GENSCAN
Start	1507	End	4235
GI	none	Score	.49
Exons	1507..1572, 2209..2404, 3102..3203, 3632..3753, 3900..4235		

Seq. No.	43550	Seq. ID	OJ000250_54.0309.C15
Gene No.	91318	Strand	+
Start	4838	End	5034
Name	OJ000250_54.0309.C15.o1.gp	Method	AAT/GAP
Start	4838	End	5034
GI	LIB3434-040-P1-K1-B11	Score	358
Exons	4838..5034		
GI Descrip.	'4996647/dbj\|AB028133.1\|AB028133 5.0e-09 Oryza sativa mRNA for Dof zinc finger protein, complete cds'		

Seq. No.	43550	Seq. ID	OJ000250_54.0309.C15

Gene No.	91319	Strand	-
Start	4650	End	4923
Name	OJ000250_54.0309.C15.o2.gs	Method	GENSCAN
Start	4650	End	4923
GI	none	Score	.71
Exons	4650..4664, 4795..4923		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91320	Strand	+
Start	1	End	336
Name	OJ000250_54.0309.C16.o1.np	Method	AAT/NAP
Start	1	End	336
GI	2130124	Score	166
Exons	1..336		
GI Descrip.	DNA-binding protein Dof2 - maize (fragment) gi\|1061306\|emb\|CAA56287.1\| (X79934) Dof2 [Zea mays]		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91321	Strand	+
Start	445	End	631
Name	OJ000250_54.0309.C16.o1.gs	Method	GENSCAN
Start	445	End	631
GI	none	Score	.54
Exons	445..511, 516..631		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91322	Strand	-
Start	1788	End	2899
Name	OJ000250_54.0309.C16.o1.gp	Method	AAT/GAP
Start	1788	End	2591
GI	jC-osleLIB3474037h04a1	Score	1363
Exons	1788..2294, 2397..2591		
GI Descrip.	'3746067 6.0e-22 (AC005311) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91322	Strand	-
Start	1788	End	2899
Name	OJ000250_54.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	2120	End	2468
GI	none	Score	147
Exons	2120..2296, 2123..2290, 2124..2294, 2131..2295, 2396..2464, 2396..2467, 2400..2468		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91322	Strand	-
Start	1788	End	2899
Name	OJ000250_54.0309.C16.o2.np	Method	AAT/NAP
Start	2130	End	2899
GI	3746067	Score	169
Exons	2130..2294, 2397..2465, 2858..2899		
GI Descrip.	(AC005311) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91322	Strand	-
Start	1788	End	2899
Name	OJ000250_54.0309.C16.o2.gs	Method	GENSCAN

Start	2159	End	2465
GI	none	Score	.95
Exons	2159..2294, 2397..2465		

Seq. No.	43551	Seq. ID	OJ000250_54.0309.C16
Gene No.	91322	Strand	-
Start	1788	End	2899
Name	OJ000250_54.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	2186	End	2467
GI	none	Score	77
Exons	2186..2293, 2192..2287, 2199..2294, 2388..2453, 2399..2467		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17
Gene No.	91323	Strand	-
Start	1	End	1395
Name	OJ000250_54.0309.C17.o1.np	Method	AAT/NAP
Start	1	End	1356
GI	3746067	Score	335
Exons	1..252, 409..501, 602..701, 788..837, 1047..1356		
GI Descrip.	(AC005311) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17
Gene No.	91323	Strand	-
Start	1	End	1395
Name	OJ000250_54.0309.C17.o1.gp	Method	AAT/GAP
Start	166	End	495
GI	11039_2.R1084	Score	266
Exons	166..252, 409..495		
GI Descrip.	'3063710/emb\|CAA18601.1\| 5.0e-09 (AL022537) putative protein [Arabidopsis thaliana]'		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17
Gene No.	91323	Strand	-
Start	1	End	1395
Name	OJ000250_54.0309.C17.o1.gs	Method	GENSCAN
Start	166	End	1395
GI	none	Score	.91
Exons	166..252, 409..507, 1036..1395		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17
Gene No.	91324	Strand	-
Start	1898	End	2137
Name	OJ000250_54.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	163	End	826
GI	none	Score	107
Exons	163..252, 179..253, 408..488, 409..507, 440..508, 601..720, 602..703, 646..711, 770..826, 790..825		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17
Gene No.	91324	Strand	-
Start	1898	End	2137
Name	OJ000250_54.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	632	End	1282
GI	none	Score	140
Exons	632..703, 790..840, 1057..1137, 1156..1272, 1157..1282		

Seq. No.	43552	Seq. ID	OJ000250_54.0309.C17

Gene No.	91324	Strand	
Start	1898	End	2137
Name	OJ000250_54.0309.C17.o2.gp	Method	AAT/GAP
Start	1898	End	2137
GI	3767877	Score	372
Exons	1898..2137		
GI Descrip.	3063710/emb\|CAA18601.1\| 5.0e-09 (AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	43553	Seq. ID	OJ000250_54.0309.C18
Gene No.	91325	Strand	-
Start	828	End	3781
Name	OJ000250_54.0309.C18.o1.gs	Method	GENSCAN
Start	828	End	3781
GI	none	Score	.73
Exons	828..1001, 1514..1597, 1881..2642, 2869..2996, 3668..3781		

Seq. No.	43553	Seq. ID	OJ000250_54.0309.C18
Gene No.	91325	Strand	-
Start	828	End	3781
Name	OJ000250_54.0309.C18.o1.gp	Method	AAT/GAP
Start	2799	End	3053
GI	428594	Score	429
Exons	2799..3053		

Seq. No.	43554	Seq. ID	OJ000250_54.0309.C19
Gene No.	91326	Strand	+
Start	1992	End	2777
Name	OJ000250_54.0309.C19.o1.gp	Method	AAT/GAP
Start	1992	End	2777
GI	none	Score	803
Exons	1992..2402, 2730..2777		

Seq. No.	43554	Seq. ID	OJ000250_54.0309.C19
Gene No.	91327	Strand	-
Start	2124	End	2841
Name	OJ000250_54.0309.C19.o1.gs	Method	GENSCAN
Start	2124	End	2810
GI	none	Score	.99
Exons	2124..2810		

Seq. No.	43554	Seq. ID	OJ000250_54.0309.C19
Gene No.	91327	Strand	-
Start	2124	End	2841
Name	OJ000250_54.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	2124	End	2384
GI	none	Score	162
Exons	2124..2384, 2128..2358, 2328..2384		

Seq. No.	43554	Seq. ID	OJ000250_54.0309.C19
Gene No.	91327	Strand	-
Start	2124	End	2841
Name	OJ000250_54.0309.C19.o1.np	Method	AAT/NAP
Start	2247	End	2841
GI	4587547	Score	95
Exons	2247..2418, 2710..2841		
GI Descrip.	(AC006577) Contains similarity to DNA-binding protein Gt-2		

gb|X68261 from Oryza sativa. [Arabidopsis thaliana]

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	1146	End	5166
GI	none	Score	36
Exons	1146..1163, 1147..1197, 1154..1180, 1266..1430, 1272..1430, 1274..1438, 1547..1624, 1551..1631, 1552..1623, 1843..2136, 1844..2137, 2040..2150, 2307..2465, 2308..2466, 2575..2598, 2575..2595, 2681..2812, 2681..2812, 2688..2813, 2688..2813, 2689..2820, 3467..3643, 3481..3624, 3636..3758, 3644..3736, 3649..3759, 3649..3759, 3656..3760, 3863..3925, 3866..3922, 3868..3924, 3928..3987, 3928..3987, 3929..3991, 3930..3995, 4205..4306, 4205..4303, 5037..5141, 5038..5166		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o1.ts	Method	TBLASTX:Soybean
Start	1338	End	2414
GI	none	Score	76
Exons	1338..1427, 1341..1430, 1342..1428, 1551..1622, 1555..1701, 1843..2136, 1844..2137, 1865..2137, 2019..2153, 2307..2414, 2308..2412		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o1.gs	Method	GENSCAN
Start	1344	End	4902
GI	none	Score	.78
Exons	1344..1426, 1550..1622, 1846..2134, 2574..2593, 3619..3759, 3865..3985, 4205..4318, 4868..4902		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o1.np	Method	AAT/NAP
Start	1347	End	5320
GI	6735381	Score	1236
Exons	1347..1426, 1550..1622, 1846..2134, 2308..2482, 2665..2811, 3483..3780, 3861..3985, 4205..4286, 5033..5144, 5279..5320		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o2.tc	Method	TBLASTX:Cress
Start	1350	End	1623
GI	none	Score	72
Exons	1350..1430, 1357..1431, 1525..1623, 1551..1622		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320

Name	OJ000250_54.0309.C20.o1.tc	Method	TBLASTX:Cress
Start	1843	End	2815
GI	none	Score	180
Exons	1843..2106, 1844..2107, 2307..2465, 2365..2451, 2575..2592, 2681..2815, 2694..2813		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	2004	End	2507
GI	none	Score	155
Exons	2004..2135, 2005..2136, 2006..2137, 2022..2150, 2303..2461, 2307..2507, 2308..2466		

Seq. No.	43555	Seq. ID	OJ000250_54.0309.C20
Gene No.	91328	Strand	-
Start	1344	End	5320
Name	OJ000250_54.0309.C20.o2.ts	Method	TBLASTX:Soybean
Start	2703	End	5141
GI	none	Score	122
Exons	2703..2792, 2705..2800, 2705..2794, 2707..2811, 3481..3705, 3482..3694, 3916..3987, 3935..3991, 4205..4285, 4211..4288, 5043..5141		

Seq. No.	43556	Seq. ID	OJ000250_54.0309.C21
Gene No.	91329	Strand	-
Start	1	End	8439
Name	OJ000250_54.0309.C21.o1.np	Method	AAT/NAP
Start	1	End	2757
GI	6735381	Score	760
Exons	1..134, 960..1250, 1327..1490, 1690..1903, 2518..2757		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	43556	Seq. ID	OJ000250_54.0309.C21
Gene No.	91329	Strand	-
Start	1	End	8439
Name	OJ000250_54.0309.C21.o1.gs	Method	GENSCAN
Start	848	End	8439
GI	none	Score	.53
Exons	848..959, 991..1250, 1327..1515, 1700..1903, 4124..4282, 6869..7037, 7049..7221, 8046..8208, 8300..8439		

Seq. No.	43556	Seq. ID	OJ000250_54.0309.C21
Gene No.	91329	Strand	-
Start	1	End	8439
Name	OJ000250_54.0309.C21.o1.tc	Method	TBLASTX:Cress
Start	970	End	1228
GI	none	Score	168
Exons	970..1221, 984..1220, 1009..1221, 1028..1228		

Seq. No.	43556	Seq. ID	OJ000250_54.0309.C21
Gene No.	91329	Strand	-
Start	1	End	8439
Name	OJ000250_54.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	982	End	1515
GI	none	Score	116

Exons	982..1089, 993..1091, 1049..1093, 1086..1241, 1089..1250, 1091..1252, 1322..1438, 1327..1416, 1327..1515, 1328..1438		
Seq. No.	43556	Seq. ID	OJ000250_54.0309.C21
Gene No.	91329	Strand	-
Start	1	End	8439
Name	OJ000250_54.0309.C21.o1.gp	Method	AAT/GAP
Start	1139	End	1854
GI	uC-osroM202035f06b1	Score	848
Exons	1139..1250, 1327..1515, 1700..1854		
GI Descrip.	'3201625 1.0e-34 (AC004669) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91330	Strand	+
Start	842	End	2685
Name	OJ000250_54.0309.C22.o1.gs	Method	GENSCAN
Start	842	End	2685
GI	none	Score	.9
Exons	842..864, 2325..2685		
Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91331	Strand	+
Start	5296	End	8869
Name	OJ000250_54.0309.C22.o2.gs	Method	GENSCAN
Start	5296	End	8869
GI	none	Score	.55
Exons	5296..5402, 7471..7771, 8081..8273, 8362..8542, 8749..8869		
Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91332	Strand	+
Start	9912	End	10485
Name	OJ000250_54.0309.C22.o1.gp	Method	AAT/GAP
Start	9912	End	10485
GI	41439_1.R1084	Score	1140
Exons	9912..10485		
GI Descrip.	'4309738/gb\|AAD15508\| 1.0e-25 (AC006439) putative tubby protein [Arabidopsis thaliana]'		
Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	10221	End	13336
GI	none	Score	551
Exons	10221..10688, 10221..10379, 10226..10813, 10226..10801, 11951..12094, 11952..12092, 11959..12111, 11967..12119, 11968..12093, 13236..13331, 13238..13333, 13241..13336		
Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o2.tw	Method	TBLASTX:Wheat
Start	10223	End	10402
GI	none	Score	106
Exons	10223..10402, 10242..10367		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o1.ts	Method	TBLASTX:Soybean
Start	10238	End	10687
GI	none	Score	165
Exons	10238..10504, 10238..10531, 10425..10511, 10592..10687		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o1.tc	Method	TBLASTX:Cress
Start	10241	End	10521
GI	none	Score	159
Exons	10241..10519, 10242..10370, 10265..10519, 10291..10521		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o3.gs	Method	GENSCAN
Start	10241	End	13303
GI	none	Score	.9
Exons	10241..10799, 11968..12097, 13237..13303		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o1.np	Method	AAT/NAP
Start	10244	End	14336
GI	3738302	Score	572
Exons	10244..10799, 11968..12097, 13231..13332, 14305..14336		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o1.tw	Method	TBLASTX:Wheat
Start	10460	End	12048
GI	none	Score	76
Exons	10460..10801, 10473..10517, 10584..10688, 10742..10804, 10746..10814, 11967..12047, 11968..12048		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o2.tc	Method	TBLASTX:Cress
Start	10532	End	13333
GI	none	Score	97
Exons	10532..10801, 10581..10688, 10736..10795, 10752..10814, 11951..12088, 11967..12119, 11968..12090, 13241..13333, 13242..13331		

Seq. No.	43557	Seq. ID	OJ000250_54.0309.C22
Gene No.	91333	Strand	-
Start	10241	End	14336
Name	OJ000250_54.0309.C22.o2.gp	Method	AAT/GAP
Start	10674	End	13353

GI	39232_1.R1084	Score	644
Exons	10674..10799, 11968..12097, 13237..13353		
GI Descrip.	'3738302 5.0e-31 (AC005309) tubby-like protein [Arabidopsis thaliana] >gi_4249398 (AC006072) putative tubby protein [Arabidopsis thaliana]'		

Seq. No.	43558	Seq. ID	OJ000250_54.0309.C23
Gene No.	91334	Strand	-
Start	11	End	198
Name	OJ000250_54.0309.C23.o1.gs	Method	GENSCAN
Start	11	End	198
GI	none	Score	.4
Exons	11..198		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91335	Strand	+
Start	431	End	7327
Name	OJ000250_54.0309.C25.o1.gs	Method	GENSCAN
Start	431	End	7327
GI	none	Score	.78
Exons	431..1779, 2574..2765, 3078..3159, 3241..3429, 3554..3667, 4061..4151, 4223..4337, 4943..5417, 5912..6199, 6285..6468, 6875..6959, 7192..7327		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91335	Strand	+
Start	431	End	7327
Name	OJ000250_54.0309.C25.o1.np	Method	AAT/NAP
Start	1683	End	6286
GI	4587517	Score	1372
Exons	1683..1779, 2574..2765, 3078..3159, 3241..3429, 3554..3667, 4061..4151, 4223..4411, 4937..5417, 5945..6286		
GI Descrip.	(AC007060) T5I8.6 [Arabidopsis thaliana]		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91336	Strand	-
Start	8189	End	8396
Name	OJ000250_54.0309.C25.o1.tc	Method	TBLASTX:Cress
Start	3075	End	3438
GI	none	Score	104
Exons	3075..3158, 3076..3162, 3082..3159, 3244..3363, 3256..3345, 3258..3362, 3351..3431, 3352..3432, 3388..3438		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91336	Strand	-
Start	8189	End	8396
Name	OJ000250_54.0309.C25.o2.tm	Method	TBLASTX:Maize
Start	3326	End	4273
GI	none	Score	138
Exons	3326..3364, 3351..3431, 3352..3432, 3380..3451, 3385..3441, 3451..3486, 3540..3668, 3553..3669, 3554..3670, 3554..3670, 3559..3681, 4049..4150, 4051..4149, 4058..4150, 4217..4273, 4222..4272		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91336	Strand	-
Start	8189	End	8396

Name	OJ000250_54.0309.C25.o1.tm	Method	TBLASTX:Maize
Start	4312	End	6310
GI	none	Score	128
Exons	4312..4383, 4314..4382, 4315..4383, 4983..5009, 4989..5417, 5006..5419, 5007..5417, 5009..5419, 5938..6198, 5942..6229, 5942..6223, 6203..6304, 6227..6310		

Seq. No.	43559	Seq. ID	OJ000250_54.0309.C25
Gene No.	91336	Strand	-
Start	8189	End	8396
Name	OJ000250_54.0309.C25.o2.gs	Method	GENSCAN
Start	8189	End	8396
GI	none	Score	.65
Exons	8189..8396		

Seq. No.	43560	Seq. ID	OJ000250_54.0309.C26
Gene No.	91337	Strand	+
Start	1	End	2222
Name	OJ000250_54.0309.C26.o1.np	Method	AAT/NAP
Start	1	End	2222
GI	7340883	Score	115
Exons	1..48, 392..521, 2151..2222		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 4 BAC clone F28A21 ; putative protein (AL035526) [Oryza sativa]		

Seq. No.	43560	Seq. ID	OJ000250_54.0309.C26
Gene No.	91337	Strand	+
Start	1	End	2222
Name	OJ000250_54.0309.C26.o1.gs	Method	GENSCAN
Start	184	End	1034
GI	none	Score	.83
Exons	184..280, 389..521, 878..1034		

Seq. No.	43561	Seq. ID	OJ000250_54.0309.C28
Gene No.	91338	Strand	-
Start	1	End	738
Name	OJ000250_54.0309.C28.o1.np	Method	AAT/NAP
Start	1	End	738
GI	7486276	Score	220
Exons	1..151, 470..638, 698..738		
GI Descrip.	hypothetical protein F28A21.50 - Arabidopsis thaliana (fragment) gi\|4539383\|emb\|CAB37449.1\| (AL035526) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43561	Seq. ID	OJ000250_54.0309.C28
Gene No.	91338	Strand	-
Start	1	End	738
Name	OJ000250_54.0309.C28.o1.gs	Method	GENSCAN
Start	44	End	624
GI	none	Score	.63
Exons	44..151, 470..624		

Seq. No.	43562	Seq. ID	OJ000250_54.0309.C29
Gene No.	91339	Strand	-
Start	1	End	1198
Name	OJ000250_54.0309.C29.o1.np	Method	AAT/NAP
Start	1	End	1198

GI	7268658	Score	118
Exons	1..82, 263..649, 830..1030, 1115..1198		
GI Descrip.	(AL161549) putative protein (fragment) [Arabidopsis thaliana]		
Seq. No.	43563	Seq. ID	OJ000250_54.0309.C31
Gene No.	91340	Strand	-
Start	68	End	465
Name	OJ000250_54.0309.C31.o1.np	Method	AAT/NAP
Start	68	End	465
GI	2129478	Score	114
Exons	68..465		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi\|488731\|emb\|CAA55883\| (X79301) chitinase [Beta vulgaris] gi\|829258\|emb\|CAA56946\| (X81056) Chitinase [Beta vulgaris]		
Seq. No.	43563	Seq. ID	OJ000250_54.0309.C31
Gene No.	91340	Strand	-
Start	68	End	465
Name	OJ000250_54.0309.C31.o1.gs	Method	GENSCAN
Start	115	End	291
GI	none	Score	.63
Exons	115..291		
Seq. No.	43564	Seq. ID	OJ000250_54.0309.C32
Gene No.	91341	Strand	+
Start	622	End	1016
Name	OJ000250_54.0309.C32.o1.gs	Method	GENSCAN
Start	622	End	1016
GI	none	Score	.66
Exons	622..766, 943..1016		
Seq. No.	43565	Seq. ID	OJ000250_54.0309.C34
Gene No.	91342	Strand	+
Start	38	End	2497
Name	OJ000250_54.0309.C34.o1.gs	Method	GENSCAN
Start	38	End	2497
GI	none	Score	.65
Exons	38..101, 391..578, 2417..2497		
Seq. No.	43566	Seq. ID	OJ000250_54.0309.C35
Gene No.	91343	Strand	+
Start	319	End	3679
Name	OJ000250_54.0309.C35.o1.gs	Method	GENSCAN
Start	319	End	3609
GI	none	Score	.8
Exons	319..332, 1169..1589, 1598..1920, 2040..3609		
Seq. No.	43566	Seq. ID	OJ000250_54.0309.C35
Gene No.	91343	Strand	+
Start	319	End	3679
Name	OJ000250_54.0309.C35.o3.np	Method	AAT/NAP
Start	1169	End	3679
GI	6721549	Score	202
Exons	1169..1589, 1627..2396, 3652..3679		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	43566	Seq. ID	OJ000250_54.0309.C35
Gene No.	91343	Strand	+
Start	319	End	3679
Name	OJ000250_54.0309.C35.o2.np	Method	AAT/NAP
Start	1250	End	3679
GI	4680207	Score	126
Exons	1250..1306, 1340..1597, 1636..2373, 3653..3679		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	43566	Seq. ID	OJ000250_54.0309.C35
Gene No.	91344	Strand	-
Start	491	End	1031
Name	OJ000250_54.0309.C35.o1.np	Method	AAT/NAP
Start	491	End	1031
GI	6539553	Score	214
Exons	491..586, 825..1031		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	43567	Seq. ID	OJ000250_54.0309.C37
Gene No.	91345	Strand	+
Start	295	End	1897
Name	OJ000250_54.0309.C37.o1.gs	Method	GENSCAN
Start	295	End	1897
GI	none	Score	.72
Exons	295..363, 403..625, 1550..1691, 1813..1897		

Seq. No.	43567	Seq. ID	OJ000250_54.0309.C37
Gene No.	91346	Strand	-
Start	1262	End	2191
Name	OJ000250_54.0309.C37.o1.np	Method	AAT/NAP
Start	1262	End	2191
GI	4567295	Score	290
Exons	1262..1874, 2040..2191		
GI Descrip.	(AC006918) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91347	Strand	+
Start	1396	End	4570
Name	OJ000250_54.0309.C38.o3.np	Method	AAT/NAP
Start	1396	End	4567
GI	7248403	Score	751
Exons	1396..1416, 4006..4567		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91347	Strand	+
Start	1396	End	4570
Name	OJ000250_54.0309.C38.o2.gs	Method	GENSCAN
Start	2736	End	4570
GI	none	Score	.78
Exons	2736..2767, 3822..3999, 4154..4570		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91348	Strand	-
Start	1	End	4974
Name	OJ000250_54.0309.C38.o1.np	Method	AAT/NAP
Start	1	End	4974
GI	6691191	Score	1682
Exons	1..1994, 4948..4974		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91348	Strand	-
Start	1	End	4974
Name	OJ000250_54.0309.C38.o1.gs	Method	GENSCAN
Start	88	End	498
GI	none	Score	.58
Exons	88..498		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91348	Strand	-
Start	1	End	4974
Name	OJ000250_54.0309.C38.o2.np	Method	AAT/NAP
Start	740	End	2150
GI	5852181	Score	124
Exons	740..766, 1996..2150		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	43568	Seq. ID	OJ000250_54.0309.C38
Gene No.	91348	Strand	-
Start	1	End	4974
Name	OJ000250_54.0309.C38.o4.np	Method	AAT/NAP
Start	3935	End	4771
GI	7248404	Score	151
Exons	3935..4065, 4605..4771		
GI Descrip.	(AP001389) ESTs AU082409(E30736),C74252(E30736) correspond to a region of the predicted gene.~hypothetical protein [Oryza sativa]		

Seq. No.	43569	Seq. ID	OJ000250_54.0309.C39
Gene No.	91349	Strand	-
Start	1	End	3000
Name	OJ000250_54.0309.C39.o1.np	Method	AAT/NAP
Start	1	End	3000
GI	7248394	Score	2613
Exons	1..57, 326..357, 794..1862, 2133..3000		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43569	Seq. ID	OJ000250_54.0309.C39
Gene No.	91349	Strand	-
Start	1	End	3000
Name	OJ000250_54.0309.C39.o1.gs	Method	GENSCAN
Start	264	End	2424
GI	none	Score	.52

Exons	264..449, 1065..1158, 1501..1638, 1731..2039, 2268..2424		
Seq. No.	43570	Seq. ID	OJ000250_54.0309.C40
Gene No.	91350	Strand	-
Start	1	End	1144
Name	OJ000250_54.0309.C40.o1.np	Method	AAT/NAP
Start	1	End	1144
GI	5852181	Score	119
Exons	1..67, 428..529, 992..1144		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	43571	Seq. ID	OJ000250_54.0309.C42
Gene No.	91351	Strand	+
Start	1	End	1897
Name	OJ000250_54.0309.C42.o1.np	Method	AAT/NAP
Start	1	End	1700
GI	6630696	Score	2331
Exons	1..1700		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	43572	Seq. ID	OJ000250_54.0309.C44
Gene No.	91352	Strand	-
Start	1	End	3082
Name	OJ000250_54.0309.C44.o1.np	Method	AAT/NAP
Start	1	End	3082
GI	5852175	Score	66
Exons	1..40, 2072..2209, 3045..3082		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	43572	Seq. ID	OJ000250_54.0309.C44
Gene No.	91352	Strand	-
Start	1	End	3082
Name	OJ000250_54.0309.C44.o1.gs	Method	GENSCAN
Start	759	End	1207
GI	none	Score	.82
Exons	759..889, 1108..1207		
Seq. No.	43573	Seq. ID	OJ000250_54.0309.C47
Gene No.	91355	Strand	+
Start	683	End	3379
Name	OJ000250_54.0309.C47.o1.gs	Method	GENSCAN
Start	683	End	3379
GI	none	Score	.82
Exons	683..735, 1003..1180, 2259..2304, 3000..3379		
Seq. No.	43573	Seq. ID	OJ000250_54.0309.C47
Gene No.	91356	Strand	-
Start	4481	End	6210
Name	OJ000250_54.0309.C47.o2.gs	Method	GENSCAN
Start	4481	End	6121
GI	none	Score	.99
Exons	4481..6121		
Seq. No.	43573	Seq. ID	OJ000250_54.0309.C47
Gene No.	91356	Strand	-

Start	4481	End	6210
Name	OJ000250_54.0309.C47.o1.np	Method	AAT/NAP
Start	4484	End	6210
GI	4680179	Score	2962
Exons	4484..6210		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43574	Seq. ID	OJ000250_54.0309.C48
Gene No.	91357	Strand	-
Start	1	End	2406
Name	OJ000250_54.0309.C48.o1.np	Method	AAT/NAP
Start	1	End	2406
GI	4680179	Score	3851
Exons	1..2406		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43574	Seq. ID	OJ000250_54.0309.C48
Gene No.	91357	Strand	-
Start	1	End	2406
Name	OJ000250_54.0309.C48.o1.gs	Method	GENSCAN
Start	79	End	2361
GI	none	Score	.5
Exons	79..660, 777..1106, 1344..1681, 2096..2361		

Seq. No.	43575	Seq. ID	OJ000250_54.0309.C49
Gene No.	91359	Strand	+
Start	2647	End	4239
Name	OJ000250_54.0309.C49.o2.np	Method	AAT/NAP
Start	2647	End	4239
GI	5852179	Score	301
Exons	2647..2667, 3654..3817, 3893..4239		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43575	Seq. ID	OJ000250_54.0309.C49
Gene No.	91360	Strand	-
Start	225	End	1378
Name	OJ000250_54.0309.C49.o1.gs	Method	GENSCAN
Start	225	End	1378
GI	none	Score	.68
Exons	225..1001, 1080..1157, 1367..1378		

Seq. No.	43575	Seq. ID	OJ000250_54.0309.C49
Gene No.	91360	Strand	-
Start	225	End	1378
Name	OJ000250_54.0309.C49.o1.np	Method	AAT/NAP
Start	228	End	1091
GI	5042448	Score	1297
Exons	228..1091		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	43575	Seq. ID	OJ000250_54.0309.C49
Gene No.	91361	Strand	-
Start	3627	End	4180
Name	OJ000250_54.0309.C49.o2.gs	Method	GENSCAN
Start	3627	End	4180
GI	none	Score	.82

Exons	3627..3821, 3870..4073, 4111..4180		
Seq. No.	43576	Seq. ID	OJ000250_54.0309.C52
Gene No.	91362	Strand	+
Start	137	End	900
Name	OJ000250_54.0309.C52.o1.gs	Method	GENSCAN
Start	137	End	855
GI	none	Score	.62
Exons	137..584, 664..855		
Seq. No.	43576	Seq. ID	OJ000250_54.0309.C52
Gene No.	91362	Strand	+
Start	137	End	900
Name	OJ000250_54.0309.C52.o1.np	Method	AAT/NAP
Start	137	End	900
GI	6983860	Score	889
Exons	137..900		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	43577	Seq. ID	OJ000250_54.0309.C53
Gene No.	91364	Strand	-
Start	1	End	1091
Name	OJ000250_54.0309.C53.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	7489400	Score	157
Exons	1..21, 856..1091		
GI Descrip.	NBS-LRR type resistance protein - barley (fragment) gi\|2792216\|gb\|AAB96983.1\| (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		
Seq. No.	43578	Seq. ID	OJ000250_54.0309.C54
Gene No.	91365	Strand	-
Start	1363	End	2016
Name	OJ000250_54.0309.C54.o1.gs	Method	GENSCAN
Start	1363	End	2016
GI	none	Score	.57
Exons	1363..1397, 1555..1653, 1863..2016		
Seq. No.	43579	Seq. ID	OJ000250_54.0309.C55
Gene No.	91366	Strand	-
Start	2879	End	3206
Name	OJ000250_54.0309.C55.o1.gs	Method	GENSCAN
Start	2879	End	3206
GI	none	Score	.71
Exons	2879..2986, 3138..3206		
Seq. No.	43580	Seq. ID	OJ000250_54.0309.C56
Gene No.	91367	Strand	-
Start	1214	End	1410
Name	OJ000250_54.0309.C56.o1.gs	Method	GENSCAN
Start	1214	End	1410
GI	none	Score	.69
Exons	1214..1300, 1363..1410		
Seq. No.	43581	Seq. ID	OJ000250_54.0309.C57
Gene No.	91368	Strand	+

Start	383	End	734
Name	OJ000250_54.0309.C57.o1.gs	Method	GENSCAN
Start	383	End	734
GI	none	Score	.89
Exons	383..438, 590..734		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91369	Strand	+
Start	837	End	5109
Name	OJ000250_54.0309.C59.o1.gs	Method	GENSCAN
Start	837	End	5109
GI	none	Score	.73
Exons	837..919, 1607..1830, 2246..2596, 2720..2836, 2942..3096, 3179..3253, 3317..3625, 3814..4125, 4227..4572, 5078..5109		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91369	Strand	+
Start	837	End	5109
Name	OJ000250_54.0309.C59.o1.gp	Method	AAT/GAP
Start	1877	End	2802
GI	none	Score	1581
Exons	1877..2621, 2720..2802		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91369	Strand	+
Start	837	End	5109
Name	OJ000250_54.0309.C59.o1.np	Method	AAT/NAP
Start	1960	End	4598
GI	7485668	Score	1094
Exons	1960..2171, 2716..2836, 2942..3096, 3179..3253, 3353..3625, 3814..4125, 4227..4598		
GI Descrip.	hypothetical protein F17N18.130 - Arabidopsis thaliana gi\|4753658\|emb\|CAB41934.1\| (AL049751) putative protein [Arabidopsis thaliana] gi\|7268026\|emb\|CAB78366.1\| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91369	Strand	+
Start	837	End	5109
Name	OJ000250_54.0309.C59.o2.gp	Method	AAT/GAP
Start	2932	End	4172
GI	30412_1.R1084	Score	1552
Exons	2932..3096, 3179..3253, 3353..3625, 3814..4172		
GI Descrip.	'4753658/emb\|CAB41934.1\| 1.0e-107 (AL049751) putative protein [Arabidopsis thaliana]'		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91370	Strand	+
Start	13066	End	14590
Name	OJ000250_54.0309.C59.o3.np	Method	AAT/NAP
Start	13066	End	14590
GI	7340860	Score	111
Exons	13066..13167, 14565..14590		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59

Gene No.	91371	Strand	+
Start	17427	End	17898
Name	OJ000250_54.0309.C59.o5.gp	Method	AAT/GAP
Start	17427	End	17898
GI	none	Score	920
Exons	17427..17898		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91372	Strand	-
Start	4220	End	4782
Name	OJ000250_54.0309.C59.o3.gp	Method	AAT/GAP
Start	4220	End	4782
GI	37430_1.R1084	Score	1083
Exons	4220..4782		
GI Descrip.	'4753658/emb\|CAB41934.1\| 3.0e-13 (AL049751) putative protein [Arabidopsis thaliana]'		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91373	Strand	-
Start	5444	End	7618
Name	OJ000250_54.0309.C59.o4.gp	Method	AAT/GAP
Start	5444	End	7618
GI	4970_1.R1084	Score	1694
Exons	5444..5908, 6194..6273, 7278..7618		
GI Descrip.	'4928472/gb\|AAD33602.1\|AF133302_1 2.0e-69 (AF133302) type 2 peroxiredoxin [Brassica rapa subsp. pekinensis]'		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91373	Strand	-
Start	5444	End	7618
Name	OJ000250_54.0309.C59.o2.np	Method	AAT/NAP
Start	5658	End	7432
GI	4928472	Score	603
Exons	5658..5908, 6194..6273, 7278..7432		
GI Descrip.	(AF133302) type 2 peroxiredoxin [Brassica rapa subsp. pekinensis]		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o3.tm	Method	TBLASTX:Maize
Start	2612	End	3087
GI	none	Score	38
Exons	2612..2686, 2710..2832, 2716..2835, 2718..2834, 2926..3087, 2937..3059, 2951..3064		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o3.ts	Method	TBLASTX:Soybean
Start	2718	End	3457
GI	none	Score	148
Exons	2718..2834, 2719..2835, 2907..3074, 2938..3075, 3353..3457		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372

Name	OJ000250_54.0309.C59.o5.tm	Method	TBLASTX:Maize
Start	3185	End	3544
GI	none	Score	85
Exons	3185..3283, 3185..3256, 3342..3530, 3346..3543, 3353..3544		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o2.tc	Method	TBLASTX:Cress
Start	3436	End	3945
GI	none	Score	195
Exons	3436..3624, 3437..3625, 3811..3945		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o1.ts	Method	TBLASTX:Soybean
Start	3542	End	4122
GI	none	Score	106
Exons	3542..3625, 3795..3974, 3811..3984, 3811..3975, 3967..4122, 3969..4112		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o1.tm	Method	TBLASTX:Maize
Start	3545	End	4274
GI	none	Score	114
Exons	3545..3625, 3550..3621, 3795..3998, 3805..3999, 3809..4000, 3811..3999, 3999..4127, 4000..4122, 4011..4133, 4225..4263, 4226..4273, 4227..4274		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o1.tw	Method	TBLASTX:Wheat
Start	5552	End	7330
GI	none	Score	47
Exons	5552..5614, 5555..5614, 5557..5616, 5599..5901, 5609..5908, 5610..5909, 5616..5912, 5617..5958, 6160..6276, 6191..6271, 6195..6275, 7278..7328, 7280..7330, 7280..7330		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o2.tm	Method	TBLASTX:Maize
Start	5640	End	7462
GI	none	Score	202
Exons	5640..5912, 5679..5909, 5680..5970, 6195..6275, 6198..6275, 7278..7433, 7280..7462, 7280..7438		

Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o1.tc	Method	TBLASTX:Cress
Start	5652	End	7444
GI	none	Score	204

Exons	5652..5915, 5680..5958, 6160..6276, 6195..6275, 7278..7442, 7280..7444		
Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o2.ts	Method	TBLASTX:Soybean
Start	5655	End	7438
GI	none	Score	133
Exons	5655..5912, 5679..5909, 5680..5958, 6195..6275, 7278..7433, 7280..7438		
Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91374	Strand	-
Start	14290	End	15372
Name	OJ000250_54.0309.C59.o3.gs	Method	GENSCAN
Start	14290	End	15372
GI	none	Score	.77
Exons	14290..15372		
Seq. No.	43582	Seq. ID	OJ000250_54.0309.C59
Gene No.	91375	Strand	
Start	17681	End	17955
Name	OJ000250_54.0309.C59.o4.tm	Method	TBLASTX:Maize
Start	17681	End	17955
GI	none	Score	115
Exons	17681..17767, 17685..17768, 17812..17955, 17812..17952, 17814..17954		
Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91376	Strand	+
Start	132	End	1694
Name	OJ000250_55.0303.C2.o1.np	Method	AAT/NAP
Start	132	End	1494
GI	6453859	Score	666
Exons	132..325, 764..990, 1018..1494		
GI Descrip.	(AC011717) putative carnitine/acylcarnitine translocase [Arabidopsis thaliana]		
Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91376	Strand	+
Start	132	End	1694
Name	OJ000250_55.0303.C2.o1.gs	Method	GENSCAN
Start	805	End	1500
GI	none	Score	.97
Exons	805..1500		
Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91376	Strand	+
Start	132	End	1694
Name	OJ000250_55.0303.C2.o1.gp	Method	AAT/GAP
Start	1283	End	1694
GI	LIB3477-004-P1-K1-B8	Score	700
Exons	1283..1694		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 3.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91377	Strand	-
Start	1560	End	3155
Name	OJ000250_55.0303.C2.o2.np	Method	AAT/NAP
Start	1560	End	3155
GI	6539588	Score	100
Exons	1560..1609, 2891..3155		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91378	Strand	-
Start	5107	End	9385
Name	OJ000250_55.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	772	End	1091
GI	none	Score	157
Exons	772..960, 798..950, 943..990, 1014..1091, 1018..1089		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91378	Strand	-
Start	5107	End	9385
Name	OJ000250_55.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	792	End	1527
GI	none	Score	69
Exons	792..845, 799..864, 799..870, 862..981, 864..983, 868..984, 1015..1194, 1017..1172, 1191..1295, 1192..1296, 1255..1305, 1273..1467, 1278..1340, 1288..1494, 1315..1443, 1405..1527, 1430..1516, 1446..1502		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91378	Strand	-
Start	5107	End	9385
Name	OJ000250_55.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	1111	End	1476
GI	none	Score	78
Exons	1111..1161, 1116..1151, 1189..1293, 1191..1289, 1306..1476, 1308..1430		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91378	Strand	-
Start	5107	End	9385
Name	OJ000250_55.0303.C2.o3.gs	Method	GENSCAN
Start	5107	End	9163
GI	none	Score	.56
Exons	5107..5212, 5501..5666, 6329..6405, 6577..6625, 6770..6828, 7228..7316, 7756..7791, 9045..9163		

Seq. No.	43583	Seq. ID	OJ000250_55.0303.C2
Gene No.	91378	Strand	-
Start	5107	End	9385
Name	OJ000250_55.0303.C2.o3.np	Method	AAT/NAP
Start	7617	End	9385
GI	6069646	Score	91
Exons	7617..7747, 9272..9385		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	43584	Seq. ID	OJ000250_55.0303.C3
Gene No.	91379	Strand	+
Start	248	End	1354
Name	OJ000250_55.0303.C3.o1.gs	Method	GENSCAN
Start	248	End	1354
GI	none	Score	.82
Exons	248..335, 1129..1354		

Seq. No.	43584	Seq. ID	OJ000250_55.0303.C3
Gene No.	91380	Strand	+
Start	8333	End	8475
Name	OJ000250_55.0303.C3.o2.gp	Method	AAT/GAP
Start	8333	End	8475
GI	41430_1.R1084	Score	235
Exons	8333..8475		
GI Descrip.	'4886280/emb\|CAB43430.1\| 6.0e-09 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	43584	Seq. ID	OJ000250_55.0303.C3
Gene No.	91381	Strand	+
Start	11015	End	11126
Name	OJ000250_55.0303.C3.o3.gp	Method	AAT/GAP
Start	11015	End	11126
GI	none	Score	191
Exons	11015..11126		

Seq. No.	43584	Seq. ID	OJ000250_55.0303.C3
Gene No.	91382	Strand	-
Start	7986	End	10943
Name	OJ000250_55.0303.C3.o3.gs	Method	GENSCAN
Start	7986	End	10943
GI	none	Score	.94
Exons	7986..8064, 8115..8290, 8295..8525, 8569..8688, 10929..10943		

Seq. No.	43585	Seq. ID	OJ000250_55.0303.C6
Gene No.	91383	Strand	+
Start	4371	End	4746
Name	OJ000250_55.0303.C6.o1.gp	Method	AAT/GAP
Start	4371	End	4746
GI	59410_1.R1084	Score	652
Exons	4371..4746		
GI Descrip.	'2499945/sp\|Q42586\|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	43585	Seq. ID	OJ000250_55.0303.C6
Gene No.	91384	Strand	-
Start	787	End	7741
Name	OJ000250_55.0303.C6.o1.gs	Method	GENSCAN
Start	787	End	7741

GI	none	Score	.68
Exons	787..906, 1037..1132, 2101..2230, 3400..3440, 3836..4031, 4092..4222, 5654..5719, 5823..5906, 5999..6374, 6504..6634, 6792..7022, 7566..7741		

Seq. No.	43585	Seq. ID	OJ000250_55.0303.C6
Gene No.	91384	Strand	-
Start	787	End	7741
Name	OJ000250_55.0303.C6.o1.np	Method	AAT/NAP
Start	3824	End	6652
GI	3702329	Score	445
Exons	3824..3924, 3997..4222, 5080..5154, 5654..5719, 5823..5906, 5999..6317, 6504..6652		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43585	Seq. ID	OJ000250_55.0303.C6
Gene No.	91384	Strand	-
Start	787	End	7741
Name	OJ000250_55.0303.C6.o2.gp	Method	AAT/GAP
Start	5654	End	5719
GI	5861_1.R1084	Score	105
Exons	5654..5719		
GI Descrip.	'3702329 2.0e-14 (AC005397) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43585	Seq. ID	OJ000250_55.0303.C6
Gene No.	91384	Strand	-
Start	787	End	7741
Name	OJ000250_55.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	5682	End	6328
GI	none	Score	49
Exons	5682..5726, 5684..5719, 5811..5909, 5822..5905, 5828..5914, 5990..6226, 5994..6152, 5995..6222, 6068..6232, 6075..6230, 6227..6328, 6231..6311		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91385	Strand	+
Start	21	End	5426
Name	OJ000250_55.0303.C7.o1.np	Method	AAT/NAP
Start	21	End	5423
GI	6692099	Score	2290
Exons	21..214, 957..1078, 1174..1262, 1340..1382, 2374..2425, 2514..2595, 2710..3278, 3354..3441, 3611..3733, 4006..4574, 4689..4827, 4903..5181, 5313..5423		
GI Descrip.	(AC007764) F22C12.12 [Arabidopsis thaliana]		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91385	Strand	+
Start	21	End	5426
Name	OJ000250_55.0303.C7.o1.gs	Method	GENSCAN
Start	42	End	5426
GI	none	Score	.93
Exons	42..232, 957..1078, 1174..1262, 1340..1378, 1600..1693, 2383..2425, 2514..2614, 2720..3278, 3354..3441, 3572..3739, 4006..4574, 4689..4827, 4903..4971, 5065..5181, 5313..5426		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7

Gene No.	91386	Strand	+
Start	11332	End	12676
Name	OJ000250_55.0303.C7.o3.np	Method	AAT/NAP
Start	11332	End	12676
GI	6630699	Score	87
Exons	11332..11402, 12596..12676		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91387	Strand	+
Start	12812	End	18747
Name	OJ000250_55.0303.C7.o4.np	Method	AAT/NAP
Start	12812	End	18747
GI	6539570	Score	193
Exons	12812..13006, 13195..13272, 17185..17360, 17980..18029, 18146..18276, 18641..18747		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91387	Strand	+
Start	12812	End	18747
Name	OJ000250_55.0303.C7.o4.gp	Method	AAT/GAP
Start	18295	End	18618
GI	none	Score	634
Exons	18295..18618		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91388	Strand	-
Start	6754	End	11550
Name	OJ000250_55.0303.C7.o1.gp	Method	AAT/GAP
Start	6414	End	7059
GI	47717_1.R1084	Score	1033
Exons	6414..6920, 7020..7059		
GI Descrip.	'5596468/emb\|CAB51406.1\| 2.0e-22 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91388	Strand	-
Start	6754	End	11550
Name	OJ000250_55.0303.C7.o2.np	Method	AAT/NAP
Start	6754	End	8855
GI	7486694	Score	675
Exons	6754..6920, 7020..7089, 7172..7313, 7427..7607, 8558..8621, 8676..8855		
GI Descrip.	hypothetical protein F8L21.10 - Arabidopsis thaliana gi\|5596468\|emb\|CAB51406.1\| (AL096882) putative protein [Arabidopsis thaliana] gi\|7267821\|emb\|CAB81223.1\| (AL161531) putative protein [Arabidopsis thaliana]		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91388	Strand	-
Start	6754	End	11550
Name	OJ000250_55.0303.C7.o2.gs	Method	GENSCAN
Start	6754	End	11550
GI	none	Score	.55

Exons	6754..6920, 7020..7089, 7172..7313, 8253..8281, 8616..8900, 11422..11550		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91388	Strand	-
Start	6754	End	11550
Name	OJ000250_55.0303.C7.o2.gp	Method	AAT/GAP
Start	7182	End	8908
GI	23661_1.R1084	Score	1264
Exons	7182..7313, 7427..7607, 8558..8908		
GI Descrip.	'4454032/emb\|CAA23029.1\| 5.0e-47 (AL035394) putative protein [Arabidopsis thaliana]'		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.tc	Method	TBLASTX:Cress
Start	138	End	1683
GI	none	Score	92
Exons	138..227, 951..1043, 951..1076, 955..1077, 1165..1242, 1173..1265, 1182..1265, 1606..1683		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	951	End	3003
GI	none	Score	186
Exons	951..1076, 955..1077, 959..1078, 1165..1260, 1169..1261, 1172..1261, 1182..1265, 1335..1376, 1337..1375, 1588..1695, 1605..1694, 2378..2431, 2381..2464, 2382..2441, 2502..2597, 2502..2609, 2512..2631, 2513..2635, 2713..3003, 2713..3003		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o6.ts	Method	TBLASTX:Soybean
Start	951	End	1265
GI	none	Score	50
Exons	951..1046, 951..1061, 955..1059, 1120..1254, 1162..1239, 1169..1261, 1182..1265		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o5.ts	Method	TBLASTX:Soybean
Start	2716	End	2940
GI	none	Score	197
Exons	2716..2940, 2718..2939		
Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.ts	Method	TBLASTX:Soybean
Start	2944	End	3420
GI	none	Score	118
Exons	2944..3138, 2951..3172, 2953..3174, 2985..3179, 3334..3420		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	2965	End	4347
GI	none	Score	164
Exons	2965..3273, 3985..4179, 4017..4172, 4155..4337, 4161..4331, 4165..4347		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	3088	End	4971
GI	none	Score	258
Exons	3088..3276, 3090..3278, 3334..3381, 4004..4504, 4011..4574, 4014..4574, 4015..4575, 4015..4575, 4295..4576, 4683..4823, 4687..4827, 4687..4842, 4900..4971		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	3183	End	4488
GI	none	Score	81
Exons	3183..3278, 3187..3273, 4014..4478, 4015..4488		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o4.tc	Method	TBLASTX:Cress
Start	4000	End	4179
GI	none	Score	186
Exons	4000..4179, 4017..4172		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	4191	End	4575
GI	none	Score	596
Exons	4191..4574, 4192..4575		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	4383	End	4974
GI	none	Score	247
Exons	4383..4577, 4384..4575, 4683..4826, 4687..4827, 4900..4974, 4918..4965		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o4.ts	Method	TBLASTX:Soybean

Start	4498	End	4974
GI	none	Score	121
Exons	4498..4575, 4503..4574, 4686..4826, 4687..4827, 4900..4974, 4902..4931		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o4.tm	Method	TBLASTX:Maize
Start	5104	End	5424
GI	none	Score	79
Exons	5104..5175, 5118..5189, 5127..5183, 5282..5419, 5298..5417, 5299..5421, 5353..5424		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	5131	End	5426
GI	none	Score	181
Exons	5131..5193, 5307..5426, 5309..5422, 5322..5423		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o7.ts	Method	TBLASTX:Soybean
Start	5302	End	5432
GI	none	Score	89
Exons	5302..5409, 5306..5428, 5307..5432		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	6470	End	8795
GI	none	Score	50
Exons	6470..6511, 6509..6568, 6512..6553, 6623..6667, 6626..6673, 6627..6674, 6732..6941, 6739..6951, 6743..6946, 7021..7089, 7021..7089, 7022..7090, 7052..7090, 7170..7265, 7177..7311, 7178..7300, 7181..7315, 7426..7605, 7426..7605, 7427..7606, 8541..8615, 8548..8610, 8559..8795, 8560..8691, 8605..8709		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	6550	End	6913
GI	none	Score	61
Exons	6550..6624, 6550..6624, 6657..6683, 6730..6912, 6737..6913		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	6688	End	8615
GI	none	Score	85
Exons	6688..6918, 6760..6942, 6761..6946, 7021..7089, 7024..7089,		

7178..7300, 7181..7315, 7426..7605, 7427..7606, 8559..8615

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o2.tc	Method	TBLASTX:Cress
Start	6787	End	8795
GI	none	Score	101
Exons	6787..6942, 6788..6946, 7021..7089, 7022..7090, 7181..7315, 7426..7602, 7426..7605, 7445..7606, 8559..8615, 8712..8795		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	7048	End	8615
GI	none	Score	45
Exons	7048..7089, 7048..7089, 7169..7312, 7170..7316, 7181..7330, 7426..7605, 7442..7606, 8559..8615, 8560..8610		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.gs	Method	GENSCAN
Start	12812	End	18526
GI	none	Score	.61
Exons	12812..12925, 14397..14502, 17450..17486, 17713..17823, 17900..18157, 18253..18526		

Seq. No.	43586	Seq. ID	OJ000250_55.0303.C7
Gene No.	91389	Strand	-
Start	12812	End	18526
Name	OJ000250_55.0303.C7.o3.gp	Method	AAT/GAP
Start	13991	End	14102
GI	LIB3431-033-P1-K1-F4	Score	166
Exons	13991..14102		
GI Descrip.	'3273244/dbj\|AB004814\|AB004814 2.0e-22 Oryza sativa DNA for NLS receptor, complete cds'		

Seq. No.	43587	Seq. ID	OJ000250_55.0303.C8
Gene No.	91390	Strand	-
Start	1162	End	1753
Name	OJ000250_55.0303.C8.o1.np	Method	AAT/NAP
Start	1162	End	1753
GI	5042454	Score	162
Exons	1162..1216, 1581..1753		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43588	Seq. ID	OJ000250_55.0303.C9
Gene No.	91391	Strand	-
Start	166	End	959
Name	OJ000250_55.0303.C9.o1.gs	Method	GENSCAN
Start	166	End	959
GI	none	Score	.42
Exons	166..277, 347..645, 746..959		

Seq. No.	43588	Seq. ID	OJ000250_55.0303.C9

Gene No.	91392	Strand	-
Start	3733	End	7505
Name	OJ000250_55.0303.C9.o2.gs	Method	GENSCAN
Start	3733	End	7505
GI	none	Score	.49
Exons	3733..3979, 7426..7505		

Seq. No.	43589	Seq. ID	OJ000250_55.0303.C10
Gene No.	91393	Strand	-
Start	63	End	1553
Name	OJ000250_55.0303.C10.o1.gs	Method	GENSCAN
Start	63	End	1553
GI	none	Score	.44
Exons	63..198, 569..743, 863..918, 1518..1553		

Seq. No.	43590	Seq. ID	OJ000250_55.0303.C11
Gene No.	91394	Strand	-
Start	442	End	1007
Name	OJ000250_55.0303.C11.o1.gs	Method	GENSCAN
Start	442	End	1007
GI	none	Score	.78
Exons	442..639, 674..758, 933..1007		

Seq. No.	43591	Seq. ID	OJ000250_55.0303.C12
Gene No.	91395	Strand	-
Start	1711	End	2358
Name	OJ000250_55.0303.C12.o2.gs	Method	GENSCAN
Start	1711	End	2358
GI	none	Score	.83
Exons	1711..1791, 2185..2358		

Seq. No.	43591	Seq. ID	OJ000250_55.0303.C12
Gene No.	91396	Strand	-
Start	2305	End	2604
Name	OJ000250_55.0303.C12.o1.np	Method	AAT/NAP
Start	2305	End	2604
GI	5042454	Score	65
Exons	2305..2358, 2550..2604		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91397	Strand	+
Start	2266	End	5536
Name	OJ000250_55.0303.C13.o2.gs	Method	GENSCAN
Start	2266	End	5536
GI	none	Score	.53
Exons	2266..2592, 2636..5536		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91397	Strand	+
Start	2266	End	5536
Name	OJ000250_55.0303.C13.o2.np	Method	AAT/NAP
Start	2266	End	5533
GI	6907089	Score	5045
Exons	2266..3524, 3619..5533		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91398	Strand	-
Start	1	End	1201
Name	OJ000250_55.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	612
GI	6721562	Score	907
Exons	1..612		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91398	Strand	-
Start	1	End	1201
Name	OJ000250_55.0303.C13.o1.gs	Method	GENSCAN
Start	59	End	1201
GI	none	Score	.48
Exons	59..222, 246..686, 723..897, 1145..1201		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o3.tw	Method	TBLASTX:Wheat
Start	3882	End	10533
GI	none	Score	163
Exons	3882..4034, 10047..10532, 10078..10338, 10360..10533		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	4785	End	9314
GI	none	Score	59
Exons	4785..4883, 8894..9313, 8901..9314		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o4.tm	Method	TBLASTX:Maize
Start	6161	End	6307
GI	none	Score	129
Exons	6161..6307, 6162..6302		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o3.gs	Method	GENSCAN
Start	6164	End	9829
GI	none	Score	1
Exons	6164..9829		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o3.np	Method	AAT/NAP

Start	6167	End	11584
GI	7228457	Score	8595
Exons	6167..7717, 7784..8935, 9058..9890, 9954..11584		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o6.tw	Method	TBLASTX:Wheat
Start	6176	End	6778
GI	none	Score	74
Exons	6176..6301, 6180..6302, 6488..6778, 6495..6773		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o4.tw	Method	TBLASTX:Wheat
Start	6779	End	7160
GI	none	Score	168
Exons	6779..7159, 6810..7058, 6818..7156, 7104..7160		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	6974	End	7297
GI	none	Score	213
Exons	6974..7297, 6987..7268		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o8.tw	Method	TBLASTX:Wheat
Start	7490	End	7802
GI	none	Score	67
Exons	7490..7750, 7626..7802		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o2.ts	Method	TBLASTX:Soybean
Start	7550	End	8116
GI	5666795	Score	68
Exons	7550..7750, 7805..7942, 8018..8116		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o5.tw	Method	TBLASTX:Wheat
Start	7805	End	11263
GI	none	Score	88
Exons	7805..7954, 7806..7943, 7808..7945, 7989..8174, 8009..8239, 8015..8239, 11210..11263		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	8864	End	9235
GI	none	Score	263
Exons	8864..9235		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o3.tm	Method	TBLASTX:Maize
Start	8987	End	9371
GI	none	Score	213
Exons	8987..9370, 9006..9371		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	9398	End	9754
GI	none	Score	124
Exons	9398..9703, 9398..9754, 9408..9719		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	9422	End	9885
GI	none	Score	221
Exons	9422..9880, 9428..9874, 9429..9881, 9442..9885		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o3.ts	Method	TBLASTX:Soybean
Start	9479	End	9844
GI	none	Score	111
Exons	9479..9613, 9620..9844		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o4.gs	Method	GENSCAN
Start	9891	End	11396
GI	none	Score	.94
Exons	9891..11396		

Seq. No.	43592	Seq. ID	OJ000250_55.0303.C13
Gene No.	91399	Strand	-
Start	6164	End	11584
Name	OJ000250_55.0303.C13.o7.tw	Method	TBLASTX:Wheat
Start	11274	End	11584
GI	none	Score	74
Exons	11274..11495, 11305..11493, 11476..11529, 11512..11583, 11519..11584		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91400	Strand	+
Start	1	End	1600
Name	OJ000250_55.0303.C14.o1.np	Method	AAT/NAP
Start	1	End	208
GI	7523512	Score	147
Exons	1..21, 82..208		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91400	Strand	+
Start	1	End	1600
Name	OJ000250_55.0303.C14.o2.np	Method	AAT/NAP
Start	100	End	1600
GI	6069657	Score	66
Exons	100..139, 1395..1499, 1554..1600		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91401	Strand	+
Start	4041	End	4502
Name	OJ000250_55.0303.C14.o1.gp	Method	AAT/GAP
Start	4041	End	4418
GI	2280878	Score	675
Exons	4041..4418		
GI Descrip.	1170745/sp\|P46518\|LE14_GOSHI 8.0e-26 LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A >gi_167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] >gi_167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91401	Strand	+
Start	4041	End	4502
Name	OJ000250_55.0303.C14.o3.np	Method	AAT/NAP
Start	4050	End	4502
GI	1170745	Score	534
Exons	4050..4502		
GI Descrip.	LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A gi\|167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] gi\|167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91402	Strand	+
Start	5176	End	6981
Name	OJ000250_55.0303.C14.o4.np	Method	AAT/NAP
Start	5176	End	6981
GI	5596996	Score	40
Exons	5176..5206, 6680..6843, 6886..6981		
GI Descrip.	(Y14600) putative protein serine /threonine kinase [Sorghum bicolor]		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91403	Strand	-
Start	258	End	4847
Name	OJ000250_55.0303.C14.o1.gs	Method	GENSCAN

Start	258	End	4847
GI	none	Score	.61
Exons	258..580, 1057..1115, 1420..1685, 1890..1893, 2664..2811, 3063..3197, 3634..3937, 3955..4058, 4298..4563, 4810..4847		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91404	Strand	-
Start	7636	End	11594
Name	OJ000250_55.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	3890	End	4505
GI	none	Score	536
Exons	3890..3904, 3974..4114, 3975..4505, 4193..4495		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91404	Strand	-
Start	7636	End	11594
Name	OJ000250_55.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	4043	End	4478
GI	none	Score	412
Exons	4043..4114, 4050..4478, 4193..4468		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91404	Strand	-
Start	7636	End	11594
Name	OJ000250_55.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	4050	End	4502
GI	none	Score	519
Exons	4050..4502, 4196..4495		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91404	Strand	-
Start	7636	End	11594
Name	OJ000250_55.0303.C14.o1.tw	Method	TBLASTX:Wheat
Start	4364	End	4502
GI	none	Score	184
Exons	4364..4501, 4368..4502		

Seq. No.	43593	Seq. ID	OJ000250_55.0303.C14
Gene No.	91404	Strand	-
Start	7636	End	11594
Name	OJ000250_55.0303.C14.o2.gp	Method	AAT/GAP
Start	7636	End	11594
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	7636..7690, 11548..11594		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91405	Strand	+
Start	19	End	1992
Name	OJ000250_55.0303.C15.o1.np	Method	AAT/NAP
Start	19	End	1971
GI	6850844	Score	1003
Exons	19..127, 223..521, 619..825, 920..1066, 1561..1605, 1717..1971		
GI Descrip.	(AL132962) 3-methyl-2-oxobutanoate hydroxy-methyl-transferase-like protein [Arabidopsis thaliana]		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91405	Strand	+
Start	19	End	1992
Name	OJ000250_55.0303.C15.o1.gs	Method	GENSCAN
Start	159	End	1992
GI	none	Score	.99
Exons	159..521, 619..825, 920..1066, 1561..1611, 1726..1992		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91406	Strand	+
Start	2947	End	5104
Name	OJ000250_55.0303.C15.o2.np	Method	AAT/NAP
Start	2944	End	5083
GI	3702336	Score	1238
Exons	2944..3054, 3091..3381, 4001..4207, 4309..4455, 4692..4745, 4853..5083		
GI Descrip.	(AC005397) 3-methyl-2-oxobutanoate hydroxy-methyl-transferase [Arabidopsis thaliana]		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91406	Strand	+
Start	2947	End	5104
Name	OJ000250_55.0303.C15.o2.gs	Method	GENSCAN
Start	2947	End	5104
GI	none	Score	.86
Exons	2947..3381, 4001..4207, 4309..4455, 4853..5104		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o4.tm	Method	TBLASTX:Maize
Start	236	End	3297
GI	none	Score	236
Exons	236..436, 237..437, 3096..3296, 3097..3297		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	237	End	4048
GI	none	Score	372
Exons	237..515, 242..505, 618..656, 619..666, 2998..3054, 3006..3050, 3097..3375, 3102..3368, 4001..4048		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	237	End	3326
GI	none	Score	298
Exons	237..461, 239..460, 2998..3051, 3093..3326, 3094..3321		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o1.tm	Method	TBLASTX:Maize

Start	655	End	4935
GI	none	Score	188
Exons	655..828, 666..827, 917..1069, 917..976, 1030..1071, 1558..1605, 1560..1592, 1717..1806, 1724..1807, 1725..1808, 4037..4210, 4069..4209, 4307..4372, 4307..4456, 4309..4467, 4689..4748, 4691..4747, 4850..4933, 4850..4933, 4852..4935		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	655	End	4368
GI	none	Score	184
Exons	655..828, 666..827, 917..961, 4037..4210, 4037..4210, 4069..4236, 4302..4367, 4309..4368		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	5839	End	6080
GI	none	Score	276
Exons	5839..6075, 5842..6042, 5850..6080		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o3.gs	Method	GENSCAN
Start	5850	End	25236
GI	none	Score	.76
Exons	5850..6093, 6326..6574, 7064..7242, 7333..7513, 7915..8042, 8117..8158, 8363..8442, 9021..9112, 10111..10542, 10919..11073, 11148..11282, 11345..11635, 12153..12271, 12346..12529, 12828..12965, 13669..13848, 14796..14921, 15218..15504, 15910..16166, 16269..16568, 17038..17257, 17342..17496, 19500..19566, 19697..19803, 19871..19938, 20177..20233, 20325..20395, 20820..21040, 21547..21636, 22307..22424, 22915..23113, 23518..23543, 24810..25236		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	5895	End	8146
GI	none	Score	137
Exons	5895..5954, 5929..6078, 5929..6042, 5946..6071, 7063..7242, 7064..7243, 7072..7245, 7317..7502, 7330..7512, 7331..7513, 7333..7515, 7911..8042, 7912..7995, 8103..8144, 8108..8146		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o3.np	Method	AAT/NAP
Start	11396	End	17096
GI	7471588	Score	311
Exons	11396..11644, 12833..12953, 13657..13828, 14797..14921, 15218..15413, 15942..16166, 16269..16493, 17038..17096		

GI Descrip. conserved hypothetical protein - Deinococcus radiodurans (strain R1) gi|6460115|gb|AAF11852.1|AE002062_5 (AE002062) conserved hypothetical protein [Deinococcus radiodurans]

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	14804	End	15448
GI	none	Score	135
Exons	14804..14920, 14805..14930, 14805..14930, 14806..14952, 15215..15442, 15216..15440, 15221..15448, 15229..15447		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o4.ts	Method	TBLASTX:Soybean
Start	15248	End	15976
GI	none	Score	171
Exons	15248..15448, 15252..15386, 15917..15976		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o1.gp	Method	AAT/GAP
Start	18776	End	19917
GI	12526_1.R1084	Score	1074
Exons	18776..19158, 19500..19566, 19697..19803, 19871..19917		

GI Descrip. '3201477/emb|CAA06808.1| 6.0e-30 (AJ006021) putative PRL1 associated protein [Arabidopsis thaliana]'

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o5.tm	Method	TBLASTX:Maize
Start	18785	End	24890
GI	none	Score	36
Exons	18785..18829, 18785..18829, 18900..18950, 18949..19005, 18956..19015, 18962..19114, 19039..19158, 19039..19158, 19049..19174, 19506..19562, 19508..19567, 19509..19562, 19691..19804, 19695..19805, 19698..19805, 19870..19938, 19873..19941, 20177..20236, 20178..20234, 20325..20420, 20325..20396, 20818..20964, 20819..20965, 20957..21049, 22195..22365, 22199..22363, 22200..22364, 22309..22365, 24805..24888, 24813..24890, 24814..24888		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o4.np	Method	AAT/NAP
Start	19036	End	20967
GI	3201477	Score	291
Exons	19036..19158, 19499..19566, 19694..19803, 19871..19938, 20177..20233, 20325..20403, 20813..20967		

GI Descrip. (AJ006021) putative PRL1 associated protein [Arabidopsis thaliana]

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o2.gp	Method	AAT/GAP
Start	21001	End	25049
GI	LIB3434-029-P1-K1-D1	Score	948
Exons	21001..21040, 21547..21626, 22198..22362, 23518..23543, 24810..25049		
GI Descrip.	'3201477/emb\|CAA06808.1\| 6.0e-15 (AJ006021) putative PRL1 associated protein [Arabidopsis thaliana]'		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o5.np	Method	AAT/NAP
Start	22379	End	25432
GI	3201477	Score	94
Exons	22379..22401, 24810..25042, 25232..25432		
GI Descrip.	(AJ006021) putative PRL1 associated protein [Arabidopsis thaliana]		

Seq. No.	43594	Seq. ID	OJ000250_55.0303.C15
Gene No.	91407	Strand	-
Start	5850	End	25432
Name	OJ000250_55.0303.C15.o3.gp	Method	AAT/GAP
Start	25160	End	25432
GI	uC-osf1M202037f10b1	Score	514
Exons	25160..25432		
GI Descrip.	'1170745/sp\|P46518\|LE14_GOSHI 8.0e-26 LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A >gi_167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] >gi_167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]'		

Seq. No.	43595	Seq. ID	OJ000250_55.0303.C18
Gene No.	91408	Strand	-
Start	344	End	889
Name	OJ000250_55.0303.C18.o1.gp	Method	AAT/GAP
Start	344	End	889
GI	none	Score	875
Exons	344..779, 859..889		

Seq. No.	43595	Seq. ID	OJ000250_55.0303.C18
Gene No.	91408	Strand	-
Start	344	End	889
Name	OJ000250_55.0303.C18.o1.gs	Method	GENSCAN
Start	682	End	779
GI	none	Score	.81
Exons	682..779		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91409	Strand	+
Start	1	End	2441
Name	OJ000350_56.0322.C1.o1.np	Method	AAT/NAP
Start	1	End	861
GI	7485542	Score	272
Exons	1..58, 549..861		

GI Descrip.	hypothetical protein F16B22.20 - Arabidopsis thaliana gi\|3341691\|gb\|AAC27473.1\| (AC003672) putative heterogeneous nuclear ribonucleoprotein [Arabidopsis thaliana]		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91409	Strand	+
Start	1	End	2441
Name	OJ000350_56.0322.C1.o1.gs	Method	GENSCAN
Start	151	End	2441
GI	none	Score	.84
Exons	151..225, 301..540, 627..763, 1112..1139, 1354..1501, 1522..1673, 1732..1871, 1959..2053, 2157..2233, 2346..2441		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91409	Strand	+
Start	1	End	2441
Name	OJ000350_56.0322.C1.o1.gp	Method	AAT/GAP
Start	703	End	1230
GI	uC-osflcyp080d04b1	Score	751
Exons	703..849, 951..1230		
GI Descrip.	'3341691 3.0e-14 (AC003672) putative heterogeneous nuclear ribonucleoprotein A1 [Arabidopsis thaliana]'		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91409	Strand	+
Start	1	End	2441
Name	OJ000350_56.0322.C1.o2.np	Method	AAT/NAP
Start	1318	End	2438
GI	7485543	Score	413
Exons	1318..1673, 1762..1871, 1959..2055, 2156..2227, 2346..2438		
GI Descrip.	hypothetical protein F16B22.21 - Arabidopsis thaliana gi\|3341692\|gb\|AAC27474.1\| (AC003672) unknown protein [Arabidopsis thaliana]		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91409	Strand	+
Start	1	End	2441
Name	OJ000350_56.0322.C1.o2.gp	Method	AAT/GAP
Start	1458	End	2201
GI	LIB3431-028-P1-K1-D7	Score	832
Exons	1458..1673, 1762..1871, 1959..2053, 2157..2201		
GI Descrip.	'3341692 6.0e-30 (AC003672) unknown protein [Arabidopsis thaliana]'		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91410	Strand	+
Start	2346	End	3026
Name	OJ000350_56.0322.C1.o3.gp	Method	AAT/GAP
Start	2346	End	3026
GI	1729_1.R1084	Score	917
Exons	2346..2442, 2648..3026		
GI Descrip.	'2463510/emb\|Y11048\|ZMSNORNA1 5.0e-27 Z.mays small nuclear RNA genes snoR1.1, snoR2.2, snoR3.2, U14.1a, U14.1b, U14.1c and U14.1d'		
Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91411	Strand	+

Start	8648	End	10551
Name	OJ000350_56.0322.C1.o3.np	Method	AAT/NAP
Start	8527	End	10551
GI	7485544	Score	123
Exons	8527..8899, 10521..10551		
GI Descrip.	hypothetical protein F16B22.22 - Arabidopsis thaliana gi\|3341693\|gb\|AAC27475.1\| (AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91411	Strand	+
Start	8648	End	10551
Name	OJ000350_56.0322.C1.o3.gs	Method	GENSCAN
Start	8648	End	9265
GI	none	Score	.86
Exons	8648..9265		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91412	Strand	-
Start	3353	End	3802
Name	OJ000350_56.0322.C1.o4.gp	Method	AAT/GAP
Start	3353	End	3802
GI	none	Score	879
Exons	3353..3802		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91413	Strand	-
Start	5508	End	7773
Name	OJ000350_56.0322.C1.o2.gs	Method	GENSCAN
Start	5508	End	7773
GI	none	Score	.61
Exons	5508..5624, 5673..5810, 6253..6412, 7317..7410, 7415..7549, 7614..7773		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o1.tm	Method	TBLASTX:Maize
Start	19	End	2409
GI	none	Score	52
Exons	19..57, 21..71, 136..162, 137..160, 156..224, 157..231, 158..226, 295..540, 296..541, 297..548, 301..555, 302..571, 372..548, 618..776, 619..771, 626..772, 691..849, 741..851, 759..848, 821..850, 948..1067, 949..1134, 950..1066, 1117..1227, 1134..1229, 1162..1230, 1167..1256, 1227..1259, 1234..1260, 1353..1433, 1353..1430, 1439..1474, 1478..1675, 1481..1666, 1500..1673, 1764..1874, 1765..1872, 1794..1874, 1949..2056, 1957..2064, 1957..2079, 2147..2236, 2154..2255, 2155..2235, 2156..2239, 2330..2371, 2347..2409, 2348..2377		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o2.ts	Method	TBLASTX:Soybean
Start	346	End	1058
GI	none	Score	195
Exons	346..555, 375..548, 442..606, 601..771, 618..776, 619..771,		

626..772, 682..849, 762..845, 775..882, 948..1058, 950..991

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o1.ts	Method	TBLASTX:Soybean
Start	1167	End	2442
GI	none	Score	121
Exons	1167..1256, 1368..1427, 1439..1516, 1524..1604, 1596..1667, 1613..1675, 1761..1874, 1762..1875, 1944..1994, 1946..1993, 1981..2055, 2025..2054, 2026..2055, 2154..2234, 2154..2234, 2155..2235, 2156..2236, 2324..2389, 2327..2371, 2347..2442		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o3.tm	Method	TBLASTX:Maize
Start	2665	End	2920
GI	none	Score	113
Exons	2665..2757, 2669..2755, 2671..2763, 2808..2918, 2812..2919, 2813..2914, 2834..2920		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o5.gp	Method	AAT/GAP
Start	8578	End	9474
GI	none	Score	1734
Exons	8578..9474		

Seq. No.	43596	Seq. ID	OJ000350_56.0322.C1
Gene No.	91414	Strand	-
Start	8578	End	9474
Name	OJ000350_56.0322.C1.o2.tm	Method	TBLASTX:Maize
Start	9124	End	9420
GI	none	Score	191
Exons	9124..9267, 9125..9265, 9271..9348, 9300..9329, 9329..9382, 9333..9383, 9373..9420		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91415	Strand	+
Start	4437	End	17978
Name	OJ000350_56.0322.C2.o2.gs	Method	GENSCAN
Start	4437	End	12171
GI	none	Score	.67
Exons	4437..4723, 4750..4897, 7541..7727, 8861..8934, 9012..9300, 9481..9617, 9848..10130, 10406..10731, 10843..11754, 12013..12171		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91415	Strand	+
Start	4437	End	17978
Name	OJ000350_56.0322.C2.o1.gp	Method	AAT/GAP
Start	7545	End	9070
GI	uC-osrocyp004c09b1	Score	852
Exons	7545..7727, 8641..8705, 8784..8934, 9012..9070		
GI Descrip.	'431176/dbj\|BAA04839\| 5.0e-26 (D21815) serine proteinase [Lilium		

longiflorum]'

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91415	Strand	+
Start	4437	End	17978
Name	OJ000350_56.0322.C2.o2.np	Method	AAT/NAP
Start	8515	End	11796
GI	431176	Score	2068
Exons	8515..8695, 8789..8934, 9012..9406, 9522..9617, 9704..9773, 9848..10130, 10406..10731, 10843..11796		
GI Descrip.	(D21815) serine proteinase [Lilium longiflorum]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91415	Strand	+
Start	4437	End	17978
Name	OJ000350_56.0322.C2.o2.gp	Method	AAT/GAP
Start	10695	End	11163
GI	4968773	Score	590
Exons	10695..10731, 10843..11163		
GI Descrip.	431176/dbj\|BAA04839\| 5.0e-26 (D21815) serine proteinase [Lilium longiflorum]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91415	Strand	+
Start	4437	End	17978
Name	OJ000350_56.0322.C2.o4.np	Method	AAT/NAP
Start	11284	End	17978
GI	5042454	Score	243
Exons	11284..11609, 17402..17690, 17925..17978		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91416	Strand	+
Start	19773	End	21741
Name	OJ000350_56.0322.C2.o5.gs	Method	GENSCAN
Start	19773	End	21662
GI	none	Score	.59
Exons	19773..19880, 19966..20100, 21542..21662		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91416	Strand	+
Start	19773	End	21741
Name	OJ000350_56.0322.C2.o5.np	Method	AAT/NAP
Start	19773	End	21741
GI	4150965	Score	596
Exons	19773..19880, 19988..20100, 21542..21741		
GI Descrip.	(AJ011096) glutamate dehydrogenase [Asparagus officinalis]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91416	Strand	+
Start	19773	End	21741
Name	OJ000350_56.0322.C2.o6.gp	Method	AAT/GAP
Start	21602	End	21741
GI	15088_1.R1084	Score	250
Exons	21602..21741		
GI Descrip.	'2196878/emb\|CAA69600\| 1.0e-138 (Y08292) NADH glutamate dehydrogenase [Nicotiana plumbaginifolia]'		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91417	Strand	-
Start	212	End	4035
Name	OJ000350_56.0322.C2.o1.np	Method	AAT/NAP
Start	212	End	4035
GI	7413539	Score	1284
Exons	212..753, 1686..1908, 1997..2336, 2806..3028, 3208..3565, 3991..4035		
GI Descrip.	(AL162972) amino acid transport-like protein [Arabidopsis thaliana]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91417	Strand	-
Start	212	End	4035
Name	OJ000350_56.0322.C2.o1.gs	Method	GENSCAN
Start	215	End	3568
GI	none	Score	.66
Exons	215..753, 878..967, 1686..1917, 2006..2336, 2806..3028, 3208..3568		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91418	Strand	-
Start	11141	End	11905
Name	OJ000350_56.0322.C2.o3.gp	Method	AAT/GAP
Start	11141	End	11905
GI	49665_1.R1084	Score	1462
Exons	11141..11905		
GI Descrip.	'5922603/dbj\|AP000492.1\|AP000492 4.0e-57 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91419	Strand	-
Start	12881	End	13219
Name	OJ000350_56.0322.C2.o3.gs	Method	GENSCAN
Start	12881	End	13219
GI	none	Score	.7
Exons	12881..13219		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o4.tm	Method	TBLASTX:Maize
Start	1684	End	1906
GI	none	Score	134
Exons	1684..1830, 1685..1828, 1831..1905, 1832..1906		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o6.tc	Method	TBLASTX:Cress
Start	2000	End	2231
GI	none	Score	103
Exons	2000..2224, 2055..2231		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-

Start	15578	End	18008
Name	OJ000350_56.0322.C2.o4.tc	Method	TBLASTX:Cress
Start	2829	End	3541
GI	none	Score	146
Exons	2829..2915, 2931..3047, 3204..3371, 3206..3541		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o5.tm	Method	TBLASTX:Maize
Start	2922	End	3541
GI	none	Score	124
Exons	2922..3047, 3198..3374, 3206..3541		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o2.ts	Method	TBLASTX:Soybean
Start	2979	End	3547
GI	none	Score	209
Exons	2979..3047, 3201..3503, 3212..3547		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o3.ts	Method	TBLASTX:Soybean
Start	9192	End	10075
GI	none	Score	158
Exons	9192..9404, 9239..9415, 9296..9406, 9520..9618, 9525..9614, 9732..9773, 9845..9892, 9847..9891, 9902..10042, 9953..10075		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o5.tc	Method	TBLASTX:Cress
Start	9300	End	9898
GI	none	Score	108
Exons	9300..9404, 9520..9618, 9525..9614, 9732..9773, 9845..9898		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o3.tm	Method	TBLASTX:Maize
Start	9732	End	10129
GI	none	Score	58
Exons	9732..9773, 9845..9898, 9847..9897, 9902..10129, 9934..10128		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o1.ts	Method	TBLASTX:Soybean
Start	10894	End	11421
GI	none	Score	363
Exons	10894..11283, 10899..11282, 11304..11420, 11305..11421		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-

Start	15578	End	18008
Name	OJ000350_56.0322.C2.o1.tw	Method	TBLASTX:Wheat
Start	10896	End	11268
GI	none	Score	364
Exons	10896..11252, 10897..11268		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o3.tc	Method	TBLASTX:Cress
Start	10950	End	11229
GI	none	Score	255
Exons	10950..11081, 10960..11229, 11109..11207		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	11002	End	11769
GI	none	Score	274
Exons	11002..11283, 11016..11276, 11296..11463, 11301..11462, 11487..11765, 11491..11769		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o2.tc	Method	TBLASTX:Cress
Start	11349	End	11777
GI	none	Score	112
Exons	11349..11420, 11350..11463, 11487..11777, 11488..11769		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o4.gs	Method	GENSCAN
Start	15578	End	18008
GI	none	Score	.7
Exons	15578..15743, 17272..17347, 17587..17748, 17903..18008		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91420	Strand	-
Start	15578	End	18008
Name	OJ000350_56.0322.C2.o3.np	Method	AAT/NAP
Start	17098	End	17219
GI	7523512	Score	135
Exons	17098..17219		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91421	Strand	
Start	19772	End	21741
Name	OJ000350_56.0322.C2.o1.tc	Method	TBLASTX:Cress
Start	19772	End	21741
GI	none	Score	155
Exons	19772..19882, 19773..19883, 19954..20037, 19982..20038, 20034..20102, 20035..20103, 21536..21691, 21539..21598, 21541..21693, 21650..21715, 21694..21741, 21696..21740		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91421	Strand	
Start	19772	End	21741
Name	OJ000350_56.0322.C2.o4.ts	Method	TBLASTX:Soybean
Start	19772	End	21688
GI	none	Score	59
Exons	19772..19879, 19772..19882, 19773..19883, 19971..20036, 19981..20037, 19982..20038, 20034..20102, 20035..20103, 21528..21635, 21536..21640, 21539..21598, 21541..21633, 21650..21688		

Seq. No.	43597	Seq. ID	OJ000350_56.0322.C2
Gene No.	91421	Strand	
Start	19772	End	21741
Name	OJ000350_56.0322.C2.o2.tm	Method	TBLASTX:Maize
Start	19772	End	21741
GI	none	Score	169
Exons	19772..19882, 19773..19883, 19982..20038, 19987..20037, 20034..20084, 20035..20103, 21539..21598, 21539..21703, 21541..21669, 21650..21715, 21694..21741, 21694..21738		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91422	Strand	+
Start	1	End	1798
Name	OJ000350_56.0322.C3.o1.np	Method	AAT/NAP
Start	1	End	1478
GI	1336084	Score	689
Exons	1..25, 402..657, 947..1022, 1123..1208, 1297..1478		
GI Descrip.	(U56635) Arabidopsis thaliana glutamate dehydrogenase 2 (GDH2) mRNA, complete cds. [Arabidopsis thaliana]		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91422	Strand	+
Start	1	End	1798
Name	OJ000350_56.0322.C3.o1.gp	Method	AAT/GAP
Start	399	End	1798
GI	15088_1.R1084	Score	1717
Exons	399..657, 947..1022, 1123..1208, 1297..1798		
GI Descrip.	'2196878/emb\|CAA69600\| 1.0e-138 (Y08292) NADH glutamate dehydrogenase [Nicotiana plumbaginifolia]'		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91422	Strand	+
Start	1	End	1798
Name	OJ000350_56.0322.C3.o1.gs	Method	GENSCAN
Start	407	End	1356
GI	none	Score	.72
Exons	407..657, 947..1022, 1297..1356		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91423	Strand	+
Start	2605	End	7825
Name	OJ000350_56.0322.C3.o2.np	Method	AAT/NAP
Start	2605	End	7825
GI	7476150	Score	170
Exons	2605..2627, 4846..5298, 7783..7825		

GI Descrip. hypothetical glycine-rich protein Rv3507 - Mycobacterium tuberculosis (strain H37RV) gi|2924444|emb|CAA17744.1| (AL022022) PE_PGRS [Mycobacterium tuberculosis]

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91423	Strand	+
Start	2605	End	7825
Name	OJ000350_56.0322.C3.o4.gp	Method	AAT/GAP
Start	3575	End	3819
GI	2796620	Score	451
Exons	3575..3819		
GI Descrip.	2463510/emb\|Y11048\|ZMSNORNA1 5.0e-27 Z.mays small nuclear RNA genes snoR1.1, snoR2.2, snoR3.2, U14.1a, U14.1b, U14.1c and U14.1d		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91423	Strand	+
Start	2605	End	7825
Name	OJ000350_56.0322.C3.o2.gs	Method	GENSCAN
Start	4834	End	5280
GI	none	Score	.92
Exons	4834..5280		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	398	End	666
GI	none	Score	333
Exons	398..658, 405..662, 406..540, 409..663, 622..666		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	398	End	1481
GI	none	Score	281
Exons	398..658, 406..537, 936..1046, 945..1046, 1120..1161, 1163..1207, 1164..1217, 1267..1341, 1282..1341, 1350..1481, 1350..1481		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	402	End	1602
GI	none	Score	190
Exons	402..662, 403..648, 422..658, 431..664, 936..1022, 945..1046, 1113..1169, 1120..1161, 1163..1204, 1164..1217, 1164..1214, 1256..1330, 1274..1327, 1281..1340, 1282..1341, 1297..1353, 1347..1490, 1347..1487, 1378..1491, 1505..1531, 1506..1535, 1537..1575, 1543..1602		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o2.tc	Method	TBLASTX:Cress

Start	918	End	1481
GI	none	Score	132
Exons	918..1022, 945..1046, 1120..1161, 1163..1204, 1164..1217, 1267..1341, 1281..1340, 1282..1341, 1344..1472, 1347..1481, 1349..1477		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	1122	End	1602
GI	none	Score	48
Exons	1122..1169, 1123..1161, 1163..1207, 1164..1217, 1167..1214, 1281..1349, 1282..1341, 1288..1482, 1344..1484, 1344..1484, 1534..1602, 1535..1594		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o6.gp	Method	AAT/GAP
Start	7756	End	8248
GI	3767459	Score	948
Exons	7756..8248		
GI Descrip.	4314371/gb\|AAD15582\| 1.0e-41 (AC006340) putative G9a protein [Arabidopsis thaliana]		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	7807	End	8110
GI	none	Score	192
Exons	7807..8100, 7819..8100, 7823..8110		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o3.gs	Method	GENSCAN
Start	7819	End	10344
GI	none	Score	.99
Exons	7819..10344		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o3.np	Method	AAT/NAP
Start	7822	End	9258
GI	3668088	Score	1067
Exons	7822..8103, 8179..9258		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	7891	End	8470

GI	none	Score	154
Exons	7891..8469, 7892..8104, 8147..8470		
Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o3.ts	Method	TBLASTX:Soybean
Start	8233	End	8485
GI	none	Score	67
Exons	8233..8484, 8237..8326, 8396..8485		
Seq. No.	43598	Seq. ID	OJ000350_56.0322.C3
Gene No.	91424	Strand	-
Start	7819	End	10344
Name	OJ000350_56.0322.C3.o2.tw	Method	TBLASTX:Wheat
Start	8401	End	8841
GI	none	Score	85
Exons	8401..8499, 8402..8497, 8551..8667, 8689..8841		
Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91425	Strand	+
Start	100	End	1029
Name	OJ000350_56.0322.C4.o1.gs	Method	GENSCAN
Start	100	End	1029
GI	none	Score	.78
Exons	100..152, 421..565, 587..784, 994..1029		
Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91426	Strand	-
Start	5266	End	8958
Name	OJ000350_56.0322.C4.o2.gs	Method	GENSCAN
Start	5266	End	8958
GI	none	Score	.46
Exons	5266..5542, 6903..7310, 8810..8958		
Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91426	Strand	-
Start	5266	End	8958
Name	OJ000350_56.0322.C4.o1.np	Method	AAT/NAP
Start	5269	End	7264
GI	7485545	Score	402
Exons	5269..5542, 6903..7264		
GI Descrip.	hypothetical protein F16B22.23 - Arabidopsis thaliana gi\|3341694\|gb\|AAC27476.1\| (AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		
Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	5258	End	6973
GI	none	Score	43
Exons	5258..5353, 5264..5332, 5377..5436, 5377..5541, 5387..5500, 5497..5529, 6900..6971, 6902..6973		
Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-

Start	8953	End	16337
Name	OJ000350_56.0322.C4.o3.np	Method	AAT/NAP
Start	8953	End	16166
GI	7485111	Score	285
Exons	8953..9019, 14910..15225, 15882..16166		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2245115\|emb\|CAB10537.1\| (Z97343) hypothetical protein [Arabidopsis thaliana] gi\|7268509\|emb\|CAB78760.1\| (AL161546) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o2.np	Method	AAT/NAP
Start	9614	End	12050
GI	2317908	Score	1022
Exons	9614..10827, 11694..12050		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o3.gs	Method	GENSCAN
Start	9676	End	16142
GI	none	Score	47
Exons	9676..10827, 11694..12153, 13618..13725, 14811..15087, 15888..15947, 15995..16142		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	9880	End	10311
GI	none	Score	143
Exons	9880..9951, 9991..10278, 9992..10279, 10009..10311		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o2.tc	Method	TBLASTX:Cress
Start	9949	End	10242
GI	none	Score	109
Exons	9949..10242, 9950..10222, 10075..10242		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	10321	End	10713
GI	none	Score	86
Exons	10321..10713, 10330..10533, 10622..10681		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	10459	End	11912

GI	none	Score	63
Exons	10459..10827, 10550..10672, 10632..10829, 10651..10830, 11691..11795, 11826..11912		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o2.ts	Method	TBLASTX:Soybean
Start	10522	End	10770
GI	none	Score	109
Exons	10522..10770, 10550..10762, 10603..10770		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o1.gp	Method	AAT/GAP
Start	13640	End	13953
GI	427418	Score	612
Exons	13640..13953		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o4.np	Method	AAT/NAP
Start	15918	End	16337
GI	6911855	Score	43
Exons	15918..16049, 16127..16243, 16318..16337		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o3.tc	Method	TBLASTX:Cress
Start	16110	End	16247
GI	none	Score	102
Exons	16110..16247, 16144..16242		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o3.tm	Method	TBLASTX:Maize
Start	16119	End	16248
GI	none	Score	148
Exons	16119..16247, 16119..16247, 16138..16248, 16138..16248		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o2.gp	Method	AAT/GAP
Start	16124	End	16243
GI	none	Score	207
Exons	16124..16243		

Seq. No.	43599	Seq. ID	OJ000350_56.0322.C4
Gene No.	91427	Strand	-
Start	8953	End	16337
Name	OJ000350_56.0322.C4.o3.ts	Method	TBLASTX:Soybean

Start	16129	End	16235
GI	none	Score	112
Exons	16129..16224, 16131..16235, 16138..16233		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91428	Strand	+
Start	542	End	2069
Name	OJ000350_56.0322.C5.o1.gs	Method	GENSCAN
Start	542	End	2069
GI	none	Score	.89
Exons	542..755, 818..918, 2003..2069		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91429	Strand	+
Start	11675	End	12084
Name	OJ000350_56.0322.C5.o3.gp	Method	AAT/GAP
Start	11675	End	12084
GI	none	Score	816
Exons	11675..12084		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91430	Strand	-
Start	472	End	861
Name	OJ000350_56.0322.C5.o1.gp	Method	AAT/GAP
Start	472	End	861
GI	none	Score	753
Exons	472..861		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91431	Strand	-
Start	3729	End	4022
Name	OJ000350_56.0322.C5.o2.gp	Method	AAT/GAP
Start	3729	End	4022
GI	15591_1.R1084	Score	444
Exons	3729..4022		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o1.np	Method	AAT/NAP
Start	4169	End	8531
GI	6907106	Score	449
Exons	4169..4353, 4388..4699, 4748..4930, 8374..8531		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	4266	End	4577
GI	none	Score	45
Exons	4266..4301, 4268..4321, 4269..4307, 4337..4375, 4339..4368, 4376..4561, 4380..4562, 4452..4577		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o3.gs	Method	GENSCAN
Start	5643	End	19197
GI	none	Score	.73
Exons	5643..5935, 6362..6412, 8371..8457, 8462..8617, 9824..9909, 10216..10417, 12201..12345, 12367..12460, 12902..12967, 13048..13138, 13358..13440, 13544..13612, 13950..14017, 15976..16047, 16447..16505, 16641..16758, 17389..17550, 17989..18030, 18737..18900, 19017..19197		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o2.np	Method	AAT/NAP
Start	8041	End	18898
GI	7299245	Score	382
Exons	8041..8074, 13040..13138, 13358..13416, 13517..13612, 13950..14017, 14097..14183, 14531..14602, 15151..15258, 15931..16137, 16649..16758, 17389..17463, 17551..17618, 17870..17915, 17989..18030, 18815..18898		
GI Descrip.	(AE003684) CG8412 gene product [Drosophila melanogaster]		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o3.tm	Method	TBLASTX:Maize
Start	12050	End	13448
GI	none	Score	53
Exons	12050..12091, 12061..12090, 12063..12101, 12114..12200, 12117..12200, 12118..12201, 12361..12462, 12365..12460, 12898..12969, 12904..12987, 12909..12989, 13044..13139, 13044..13139, 13045..13155, 13049..13153, 13355..13441, 13357..13440, 13359..13448, 13360..13443		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o4.gp	Method	AAT/GAP
Start	12781	End	12873
GI	32197_1.R1084	Score	128
Exons	12781..12873		
GI Descrip.	'4455192/emb\|CAB36515.1\| 2.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	43600	Seq. ID	OJ000350_56.0322.C5
Gene No.	91432	Strand	-
Start	4169	End	19197
Name	OJ000350_56.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	13945	End	15404
GI	none	Score	65
Exons	13945..13992, 13945..14019, 13946..14059, 13947..14018, 13973..14020, 14067..14183, 14089..14184, 14094..14204, 14110..14193, 14528..14602, 14529..14603, 15150..15236, 15151..15240, 15151..15267, 15152..15256, 15351..15404, 15357..15398		

Seq. No.	43601	Seq. ID	OJ000350_56.0322.C6
Gene No.	91433	Strand	-
Start	1412	End	3326
Name	OJ000350_56.0322.C6.o1.np	Method	AAT/NAP
Start	1412	End	3326
GI	7486052	Score	126
Exons	1412..1603, 3286..3326		
GI Descrip.	hypothetical protein F23K16.40 - Arabidopsis thaliana gi\|5042157\|emb\|CAB44676.1\| (AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana] gi\|7270925\|emb\|CAB80604.1\| (AL161595) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	43601	Seq. ID	OJ000350_56.0322.C6
Gene No.	91433	Strand	-
Start	1412	End	3326
Name	OJ000350_56.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	1475	End	1597
GI	none	Score	61
Exons	1475..1597, 1476..1523		

Seq. No.	43601	Seq. ID	OJ000350_56.0322.C6
Gene No.	91433	Strand	-
Start	1412	End	3326
Name	OJ000350_56.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	1478	End	1597
GI	none	Score	221
Exons	1478..1597		

Seq. No.	43602	Seq. ID	OJ000350_56.0322.C7
Gene No.	91434	Strand	-
Start	1	End	404
Name	OJ000350_56.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	404
GI	6721508	Score	59
Exons	1..45, 222..404		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43602	Seq. ID	OJ000350_56.0322.C7
Gene No.	91435	Strand	
Start	1970	End	2131
Name	OJ000350_56.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	1970	End	2131
GI	none	Score	155
Exons	1970..2131, 1982..2086, 1984..2130		

Seq. No.	43602	Seq. ID	OJ000350_56.0322.C7
Gene No.	91435	Strand	
Start	1970	End	2131
Name	OJ000350_56.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	1972	End	2098
GI	none	Score	108
Exons	1972..2097, 1982..2098		

Seq. No.	43602	Seq. ID	OJ000350_56.0322.C7
Gene No.	91435	Strand	

Start	1970	End	2131
Name	OJ000350_56.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	1972	End	2130
GI	none	Score	118
Exons	1972..2130, 1980..2060, 1982..2119		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91436	Strand	+
Start	5565	End	10724
Name	OJ000350_56.0322.C10.o2.gs	Method	GENSCAN
Start	5565	End	7894
GI	none	Score	.41
Exons	5565..5718, 7357..7556, 7574..7894		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91436	Strand	+
Start	5565	End	10724
Name	OJ000350_56.0322.C10.o2.np	Method	AAT/NAP
Start	7291	End	10724
GI	6522545	Score	237
Exons	7291..7446, 8588..8809, 10651..10724		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91437	Strand	+
Start	19621	End	20242
Name	OJ000350_56.0322.C10.o5.np	Method	AAT/NAP
Start	19131	End	20239
GI	6815053	Score	791
Exons	19131..19277, 19778..19953, 20002..20239		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91437	Strand	+
Start	19621	End	20242
Name	OJ000350_56.0322.C10.o5.gs	Method	GENSCAN
Start	19621	End	20242
GI	none	Score	.69
Exons	19621..19725, 19778..20242		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91438	Strand	-
Start	1	End	4579
Name	OJ000350_56.0322.C10.o1.np	Method	AAT/NAP
Start	1	End	4579
GI	6686396	Score	1570
Exons	1..830, 885..1041, 1123..1312, 1427..1561, 1649..1746, 2850..3022, 3119..3394, 4477..4579		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91438	Strand	-
Start	1	End	4579
Name	OJ000350_56.0322.C10.o1.gs	Method	GENSCAN
Start	343	End	3539
GI	none	Score	.64
Exons	343..850, 927..1041, 2850..3539		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91439	Strand	-
Start	9000	End	9320
Name	OJ000350_56.0322.C10.o1.gp	Method	AAT/GAP
Start	9000	End	9320
GI	2569_2.R1084	Score	440
Exons	9000..9320		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91440	Strand	-
Start	10436	End	10614
Name	OJ000350_56.0322.C10.o2.gp	Method	AAT/GAP
Start	10436	End	10614
GI	LIB3434-053-P1-K1-H7	Score	276
Exons	10436..10614		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91441	Strand	-
Start	14391	End	14490
Name	OJ000350_56.0322.C10.o3.gp	Method	AAT/GAP
Start	14391	End	14490
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	14391..14490		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o1.tc	Method	TBLASTX:Cress
Start	132	End	723
GI	none	Score	56
Exons	132..245, 133..243, 230..421,	235..723, 237..722	

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	132	End	317
GI	none	Score	125
Exons	132..317, 133..312		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o2.ts	Method	TBLASTX:Soybean
Start	132	End	486
GI	none	Score	211
Exons	132..485, 133..486		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o2.tm	Method	TBLASTX:Maize
Start	132	End	425
GI	none	Score	419
Exons	132..425, 133..423, 135..425		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	426	End	1749
GI	none	Score	496
Exons	426..848, 427..795, 427..852, 429..848, 928..1041, 929..1042, 929..1042, 1100..1324, 1108..1323, 1114..1329, 1427..1561, 1428..1559, 1435..1563, 1645..1749, 1649..1744		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o3.ts	Method	TBLASTX:Soybean
Start	511	End	3387
GI	none	Score	62
Exons	511..633, 532..618, 2838..3005, 2842..3039, 3117..3380, 3118..3387		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	634	End	1738
GI	none	Score	107
Exons	634..795, 636..833, 937..1041, 938..1042, 1108..1305, 1116..1301, 1123..1323, 1130..1312, 1434..1523, 1435..1560, 1435..1563, 1439..1564, 1637..1732, 1639..1734, 1640..1738, 1648..1737		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o4.tc	Method	TBLASTX:Cress
Start	759	End	1308
GI	none	Score	44
Exons	759..815, 962..1027, 973..1038, 1108..1308, 1121..1306		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o3.tm	Method	TBLASTX:Maize
Start	2845	End	3387
GI	none	Score	101
Exons	2845..2976, 2847..2978, 3117..3380, 3118..3387		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473

Name	OJ000350_56.0322.C10.o3.tc	Method	TBLASTX:Cress
Start	3136	End	3387
GI	none	Score	126
Exons	3136..3387, 3138..3380		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o4.tm	Method	TBLASTX:Maize
Start	8603	End	8915
GI	none	Score	79
Exons	8603..8662, 8613..8675, 8614..8676, 8662..8805, 8666..8806, 8853..8915		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o4.ts	Method	TBLASTX:Soybean
Start	8605	End	8883
GI	none	Score	294
Exons	8605..8799, 8609..8809, 8817..8870, 8818..8883		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o2.tc	Method	TBLASTX:Cress
Start	8606	End	8806
GI	none	Score	295
Exons	8606..8806, 8620..8790		

Seq. No.	43603	Seq. ID	OJ000350_56.0322.C10
Gene No.	91442	Strand	-
Start	15092	End	15473
Name	OJ000350_56.0322.C10.o4.gp	Method	AAT/GAP
Start	15092	End	15473
GI	5002855	Score	708
Exons	15092..15473		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91443	Strand	+
Start	3456	End	3739
Name	OJ000350_56.0322.C11.o1.gp	Method	AAT/GAP
Start	3456	End	3739
GI	none	Score	436
Exons	3456..3739		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91444	Strand	+
Start	9649	End	14289
Name	OJ000350_56.0322.C11.o3.gs	Method	GENSCAN
Start	9649	End	14047
GI	none	Score	.82
Exons	9649..9705, 10203..10371, 10568..10842, 10953..11015, 11348..11458, 12131..12244, 12951..13544, 13597..13725, 13811..14047		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11

Gene No.	91444	Strand	+
Start	9649	End	14289
Name	OJ000350_56.0322.C11.o3.gp	Method	AAT/GAP
Start	10589	End	11406
GI	none	Score	673
Exons	10589..10842, 10953..11015, 11348..11406		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91444	Strand	+
Start	9649	End	14289
Name	OJ000350_56.0322.C11.o4.gp	Method	AAT/GAP
Start	11401	End	13097
GI	3766824	Score	565
Exons	11401..11422, 11504..11587, 12205..12276, 12951..13097		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91444	Strand	+
Start	9649	End	14289
Name	OJ000350_56.0322.C11.o2.np	Method	AAT/NAP
Start	11538	End	14112
GI	5302811	Score	785
Exons	11538..11599, 12951..13203, 13242..13601, 13802..14112		
GI Descrip.	(Z97342) putative serine protease-like protein [Arabidopsis thaliana]		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91444	Strand	+
Start	9649	End	14289
Name	OJ000350_56.0322.C11.o5.gp	Method	AAT/GAP
Start	13301	End	14289
GI	33499_1.R1084	Score	1533
Exons	13301..13571, 13654..13725, 13811..14289		
GI Descrip.	'5302811/emb\|CAB46052.1\| 4.0e-48 (Z97342) putative serine protease-like protein [Arabidopsis thaliana]'		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91445	Strand	-
Start	3743	End	7568
Name	OJ000350_56.0322.C11.o2.gs	Method	GENSCAN
Start	3743	End	7568
GI	none	Score	.82
Exons	3743..4879, 5018..5207, 5332..5466, 5588..5685, 6085..6257, 6350..6694, 6709..6822, 7158..7277, 7514..7568		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91445	Strand	-
Start	3743	End	7568
Name	OJ000350_56.0322.C11.o1.np	Method	AAT/NAP
Start	3749	End	6737
GI	2262105	Score	1986
Exons	3749..4633, 4733..4875, 5014..5189, 5332..5466, 5588..5685, 6085..6257, 6350..6737		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91445	Strand	-
Start	3743	End	7568

Name	OJ000350_56.0322.C11.o2.gp	Method	AAT/GAP
Start	4323	End	5164
GI	11117_1.R1084	Score	1084
Exons	4323..4671, 4762..4879, 5018..5164		
GI Descrip.	'2262105/gb\|AAB63613.1\| 1.0e-34 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o1.tc	Method	TBLASTX:Cress
Start	3746	End	4537
GI	none	Score	178
Exons	3746..4057, 3753..4058, 4050..4328, 4052..4537, 4401..4496		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o2.tm	Method	TBLASTX:Maize
Start	3752	End	5221
GI	none	Score	380
Exons	3752..4666, 3753..4328, 4244..4546, 4398..4646, 4811..4876, 5003..5221		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	3755	End	4136
GI	none	Score	267
Exons	3755..4132, 3759..4136		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o2.ts	Method	TBLASTX:Soybean
Start	3755	End	4654
GI	none	Score	200
Exons	3755..3997, 3759..4004, 4001..4153, 4011..4148, 4158..4328, 4178..4330, 4220..4345, 4373..4654, 4401..4646		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o6.tc	Method	TBLASTX:Cress
Start	4577	End	5203
GI	none	Score	63
Exons	4577..4636, 4578..4631, 4811..4876, 5013..5201, 5015..5203		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o3.ts	Method	TBLASTX:Soybean
Start	4811	End	5677
GI	none	Score	75
Exons	4811..4882, 4997..5206, 5018..5206, 5019..5207, 5322..5471, 5334..5471, 5338..5475, 5585..5677, 5587..5676		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o4.tm	Method	TBLASTX:Maize
Start	5307	End	5688
GI	none	Score	82
Exons	5307..5465, 5322..5471, 5332..5475, 5587..5688, 5588..5677		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o5.tm	Method	TBLASTX:Maize
Start	6082	End	6603
GI	none	Score	76
Exons	6082..6213, 6086..6196, 6348..6602, 6361..6603		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o5.ts	Method	TBLASTX:Soybean
Start	6082	End	6603
GI	none	Score	121
Exons	6082..6228, 6083..6262, 6348..6602, 6367..6603		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o5.tc	Method	TBLASTX:Cress
Start	6367	End	6603
GI	none	Score	115
Exons	6367..6603, 6369..6602		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o2.tw	Method	TBLASTX:Wheat
Start	7002	End	15101
GI	none	Score	62
Exons	7002..7169, 14688..14927, 14692..14925, 15024..15101, 15025..15081		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o1.ts	Method	TBLASTX:Soybean
Start	10654	End	14056
GI	none	Score	75
Exons	10654..10755, 12939..13007, 13002..13517, 13025..13450, 13484..13516, 13542..13571, 13636..13725, 13647..13721, 13810..14004, 13811..14008, 13811..14011, 14012..14056		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o6.tm	Method	TBLASTX:Maize
Start	12174	End	13098

GI	none	Score	69
Exons	12174..12275, 12188..12313, 12220..12288, 12947..13096, 12948..13097, 12949..13098, 12949..13098		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o2.tc	Method	TBLASTX:Cress
Start	13037	End	13571
GI	none	Score	606
Exons	13037..13516, 13041..13532, 13532..13564, 13533..13571		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	13101	End	14168
GI	none	Score	505
Exons	13101..13523, 13116..13268, 13118..13522, 13180..13533, 13523..13570, 13524..13571, 13636..13725, 13651..13725, 13810..13923, 13810..14046, 13811..14050, 14126..14167, 14127..14168		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o4.tc	Method	TBLASTX:Cress
Start	13636	End	14055
GI	none	Score	125
Exons	13636..13722, 13653..13721, 13764..13955, 13810..13890, 13810..14055, 13811..14047		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o3.np	Method	AAT/NAP
Start	13832	End	15968
GI	7248457	Score	727
Exons	13832..13980, 14562..14924, 15027..15149, 15230..15495, 15582..15968		
GI Descrip.	(AF131222) protein serine/threonine kinase [Lophopyrum elongatum]		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o4.gs	Method	GENSCAN
Start	14355	End	17904
GI	none	Score	.55
Exons	14355..15149, 15230..15490, 15508..15726, 15773..15975, 17580..17904		

Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o3.tm	Method	TBLASTX:Maize
Start	14586	End	15747

GI	none	Score	108
Exons	14586..14927, 14692..14925, 15024..15152, 15025..15147, 15030..15152, 15245..15391, 15246..15392, 15407..15493, 15652..15747		
Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o3.tc	Method	TBLASTX:Cress
Start	14592	End	15747
GI	none	Score	110
Exons	14592..14927, 14764..14925, 15024..15152, 15025..15147, 15248..15310, 15323..15382, 15392..15493, 15577..15639, 15652..15747		
Seq. No.	43604	Seq. ID	OJ000350_56.0322.C11
Gene No.	91446	Strand	-
Start	13832	End	17904
Name	OJ000350_56.0322.C11.o4.ts	Method	TBLASTX:Soybean
Start	14592	End	15493
GI	none	Score	170
Exons	14592..14927, 14761..14925, 15024..15149, 15025..15138, 15245..15382, 15246..15386, 15392..15493		
Seq. No.	43605	Seq. ID	OJ000350_56.0322.C12
Gene No.	91447	Strand	-
Start	160	End	300
Name	OJ000350_56.0322.C12.o1.gs	Method	GENSCAN
Start	160	End	300
GI	none	Score	.81
Exons	160..300		
Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91448	Strand	+
Start	26	End	1264
Name	OJ000350_58.0327.C7.o1.gs	Method	GENSCAN
Start	26	End	1264
GI	none	Score	.63
Exons	26..161, 796..930, 978..1264		
Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o1.np	Method	AAT/NAP
Start	8897	End	13144
GI	3885339	Score	1239
Exons	8897..9544, 9617..9749, 9951..10211, 10430..10504, 10804..11018, 11728..11951, 12440..12868, 12911..13144		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o3.gs	Method	GENSCAN
Start	8897	End	20085
GI	none	Score	.65
Exons	8897..10211, 10804..11018, 11728..11951, 11992..12075,		

12440..13135, 13834..13919, 14930..15322, 15367..15404,
15961..15987, 17319..17402, 17530..17610, 18454..18546,
19484..19551, 19634..19694, 19836..19889, 19966..20085

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o2.gp	Method	AAT/GAP
Start	15064	End	16052
GI	5002851	Score	615
Exons	15064..15322, 15961..16052		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o2.np	Method	AAT/NAP
Start	15182	End	20720
GI	6970282	Score	1064
Exons	15182..15322, 15961..16034, 17319..17402, 17530..17610, 18210..18290, 18454..18546, 19207..19386, 19484..19551, 19634..19694, 19836..19889, 19966..20055, 20449..20515, 20632..20720		
GI Descrip.	(AC021666) unknown protein [Arabidopsis thaliana]		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o3.gp	Method	AAT/GAP
Start	17543	End	18506
GI	none	Score	289
Exons	17543..17610, 18210..18290, 18454..18506		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91449	Strand	+
Start	8897	End	20989
Name	OJ000350_58.0327.C7.o4.gp	Method	AAT/GAP
Start	19616	End	20989
GI	5273_1.R1084	Score	1150
Exons	19616..19694, 19836..19889, 19966..20055, 20449..20515, 20632..20989		
GI Descrip.	'4689108/gb\|AAD27763.1\|AF077030_1 2.0e-28 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91450	Strand	-
Start	2800	End	8401
Name	OJ000350_58.0327.C7.o2.gs	Method	GENSCAN
Start	2800	End	8401
GI	none	Score	.51
Exons	2800..3093, 3656..3756, 4003..4163, 5086..5114, 7308..7469, 8378..8401		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91451	Strand	-
Start	13052	End	13475

Name	OJ000350_58.0327.C7.o1.gp	Method	AAT/GAP
Start	13052	End	13475
GI	none	Score	808
Exons	13052..13475		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o2.tm	Method	TBLASTX:Maize
Start	10425	End	12525
GI	none	Score	299
Exons	10425..10487, 10805..10990, 10806..11012, 10814..11020, 11704..11946, 11722..11949, 11726..11947, 11727..11951, 12429..12500, 12432..12497, 12437..12499, 12502..12525		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o3.tm	Method	TBLASTX:Maize
Start	11167	End	11700
GI	none	Score	173
Exons	11167..11241, 11257..11487, 11258..11488, 11259..11486, 11274..11510, 11294..11488, 11477..11536, 11481..11531, 11489..11536, 11499..11537, 11536..11700, 11550..11696		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o2.ts	Method	TBLASTX:Soybean
Start	11739	End	11958
GI	none	Score	215
Exons	11739..11897, 11740..11946, 11750..11953, 11779..11958		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o4.ts	Method	TBLASTX:Soybean
Start	12450	End	12871
GI	none	Score	66
Exons	12450..12575, 12463..12516, 12504..12710, 12572..12664, 12740..12871, 12741..12863		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	17309	End	20747
GI	none	Score	117
Exons	17309..17401, 17319..17402, 17321..17401, 17365..17403, 17529..17609, 17529..17609, 17530..17613, 18208..18285, 18210..18290, 18215..18289, 18451..18555, 18462..18545, 19194..19391, 19195..19392, 19481..19546, 19483..19551, 19484..19561, 19485..19562, 19634..19696, 19635..19700, 19826..19903, 19827..19901, 19962..20057, 19963..20058, 19965..20057, 19987..20079, 20446..20505, 20446..20505, 20448..20507, 20474..20512, 20630..20686, 20631..20723, 20634..20747		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o3.ts	Method	TBLASTX:Soybean
Start	17566	End	20726
GI	none	Score	66
Exons	17566..17613, 18210..18290, 18218..18289, 18451..18555, 18468..18542, 20446..20520, 20448..20516, 20624..20704, 20631..20726		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o1.tc	Method	TBLASTX:Cress
Start	18451	End	19889
GI	none	Score	120
Exons	18451..18555, 18468..18542, 19195..19392, 19197..19391, 19483..19548, 19484..19564, 19671..19691, 19675..19695, 19833..19889		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o1.ts	Method	TBLASTX:Soybean
Start	19195	End	20058
GI	none	Score	216
Exons	19195..19392, 19197..19367, 19204..19386, 19483..19551, 19484..19561, 19670..19696, 19671..19700, 19826..19888, 19827..19901, 19963..19995, 19968..19988, 20016..20057, 20017..20058		

Seq. No.	43606	Seq. ID	OJ000350_58.0327.C7
Gene No.	91452	Strand	-
Start	20481	End	23733
Name	OJ000350_58.0327.C7.o4.gs	Method	GENSCAN
Start	20481	End	23733
GI	none	Score	.43
Exons	20481..20783, 21218..21240, 21279..21477, 21874..22034, 22459..22634, 23463..23566, 23632..23733		

Seq. No.	43607	Seq. ID	OJ000350_58.0327.C8
Gene No.	91453	Strand	+
Start	66	End	361
Name	OJ000350_58.0327.C8.o1.gs	Method	GENSCAN
Start	66	End	361
GI	none	Score	.92
Exons	66..156, 280..361		

Seq. No.	43607	Seq. ID	OJ000350_58.0327.C8
Gene No.	91454	Strand	-
Start	918	End	1133
Name	OJ000350_58.0327.C8.o2.gs	Method	GENSCAN
Start	918	End	1133
GI	none	Score	.52
Exons	918..1133		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91455	Strand	+
Start	481	End	736
Name	OJ000350_58.0327.C9.o1.gs	Method	GENSCAN
Start	481	End	736
GI	none	Score	.82
Exons	481..526, 705..736		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91456	Strand	+
Start	6646	End	14367
Name	OJ000350_58.0327.C9.o3.gs	Method	GENSCAN
Start	6646	End	14367
GI	none	Score	.55
Exons	6646..6687, 7457..7635, 8888..8992, 9408..9730, 9732..10348, 10394..10510, 10704..11284, 11430..11663, 11892..11939, 12019..12274, 12366..13412, 13577..13631, 13993..14192, 14290..14367		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91456	Strand	+
Start	6646	End	14367
Name	OJ000350_58.0327.C9.o1.np	Method	AAT/NAP
Start	7975	End	14111
GI	4512618	Score	1644
Exons	7975..8000, 10736..11372, 11539..11740, 11872..13515, 13993..14111		
GI Descrip.	(AC004793) Strong similarity to gi\|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb\|AF080119 and is a member of the reverse transcriptase family PF\|00078.		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91457	Strand	-
Start	3154	End	4362
Name	OJ000350_58.0327.C9.o2.gs	Method	GENSCAN
Start	3154	End	4308
GI	none	Score	1
Exons	3154..4308		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91457	Strand	-
Start	3154	End	4362
Name	OJ000350_58.0327.C9.o1.gp	Method	AAT/GAP
Start	3920	End	4362
GI	53224_1.R1084	Score	838
Exons	3920..4362		
GI Descrip.	'2832643/emb\|CAA16718\| 4.0e-13 (AL021710) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	3151	End	4245
GI	none	Score	37
Exons	3151..3264, 3157..3252, 3295..3648, 3296..3649, 3715..3885, 3716..3883, 3970..4023, 4039..4245, 4118..4228, 4126..4245		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.tc	Method	TBLASTX:Cress
Start	3154	End	4194
GI	none	Score	67
Exons	3154..3441, 3430..3606, 3736..3879, 3740..3847, 4090..4194		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.ts	Method	TBLASTX:Soybean
Start	3154	End	3639
GI	none	Score	265
Exons	3154..3246, 3295..3636, 3296..3634, 3505..3639, 3536..3637		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o5.ts	Method	TBLASTX:Soybean
Start	3721	End	11552
GI	none	Score	109
Exons	3721..3885, 3734..3883, 4087..4194, 11436..11552		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o4.tm	Method	TBLASTX:Maize
Start	10151	End	10651
GI	none	Score	76
Exons	10151..10216, 10244..10309, 10326..10523, 10352..10651, 10354..10557		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o3.tm	Method	TBLASTX:Maize
Start	10880	End	11339
GI	none	Score	125
Exons	10880..10987, 10884..10985, 10962..11339, 10988..11299		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o4.ts	Method	TBLASTX:Soybean
Start	10890	End	11348
GI	none	Score	255
Exons	10890..11348, 11045..11260		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	10920	End	11369
GI	none	Score	315
Exons	10920..11369, 11129..11365		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.tw	Method	TBLASTX:Wheat
Start	11010	End	11372
GI	none	Score	344
Exons	11010..11372, 11010..11357, 11174..11359		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o3.ts	Method	TBLASTX:Soybean
Start	12005	End	12458
GI	5509260	Score	273
Exons	12005..12388, 12381..12458		
GI Descrip.	-		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o7.tm	Method	TBLASTX:Maize
Start	12049	End	12301
GI	none	Score	289
Exons	12049..12288, 12050..12301		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o3.tc	Method	TBLASTX:Cress
Start	12113	End	12388
GI	none	Score	244
Exons	12113..12388, 12131..12388		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o3.tw	Method	TBLASTX:Wheat
Start	12146	End	12434
GI	none	Score	166
Exons	12146..12388, 12381..12434		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o6.tm	Method	TBLASTX:Maize
Start	12301	End	12661
GI	none	Score	124
Exons	12301..12387, 12302..12388, 12387..12659, 12395..12661		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	12639	End	13070
GI	none	Score	140
Exons	12639..12788, 12639..12812, 12799..13053, 12803..13057,		

12804..13070

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	12681	End	13127
GI	none	Score	541
Exons	12681..13127, 12690..12983, 12698..13126		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	12834	End	13439
GI	none	Score	473
Exons	12834..13439, 12839..12952, 13025..13342		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o5.tm	Method	TBLASTX:Maize
Start	13128	End	13472
GI	none	Score	369
Exons	13128..13436, 13133..13432, 13440..13472, 13442..13468		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o4.tw	Method	TBLASTX:Wheat
Start	13296	End	13498
GI	none	Score	184
Exons	13296..13472, 13400..13498		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.gp	Method	AAT/GAP
Start	13868	End	14311
GI	5005373	Score	835
Exons	13868..14311		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o2.np	Method	AAT/NAP
Start	14056	End	16601
GI	4960154	Score	165
Exons	14056..14299, 15086..15303, 16568..16601		
GI Descrip.	(AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o4.gs	Method	GENSCAN
Start	14472	End	16935

GI	none	Score	.62
Exons	14472..14513, 14609..14682, 15079..15290, 16922..16935		

Seq. No.	43608	Seq. ID	OJ000350_58.0327.C9
Gene No.	91458	Strand	-
Start	13868	End	16935
Name	OJ000350_58.0327.C9.o3.gp	Method	AAT/GAP
Start	14948	End	15292
GI	24769_1.R1084	Score	656
Exons	14948..15292		
GI Descrip.	'4960156/gb\|AAD34616.1\|AF153284_1 5.0e-25 (AF153284) putative progesterone-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o5.tm	Method	TBLASTX:Maize
Start	513	End	751
GI	none	Score	98
Exons	513..623, 514..612, 661..750, 662..751, 663..746		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.np	Method	AAT/NAP
Start	626	End	3669
GI	6630696	Score	4856
Exons	626..3669		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o2.tw	Method	TBLASTX:Wheat
Start	762	End	1241
GI	none	Score	63
Exons	762..875, 767..886, 767..886, 795..899, 855..1151, 879..1148, 883..1152, 883..1167, 1167..1241, 1168..1236, 1176..1241		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.gs	Method	GENSCAN
Start	846	End	3561
GI	none	Score	.46
Exons	846..1643, 1742..1863, 1992..3149, 3324..3561		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o3.ts	Method	TBLASTX:Soybean
Start	894	End	1235
GI	none	Score	96
Exons	894..1103, 973..1098, 1122..1235, 1132..1200		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o2.tm	Method	TBLASTX:Maize
Start	1097	End	1445
GI	none	Score	121
Exons	1097..1411, 1098..1445, 1099..1431		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o3.tw	Method	TBLASTX:Wheat
Start	1242	End	1992
GI	none	Score	61
Exons	1242..1295, 1449..1655, 1650..1691, 1700..1957, 1812..1937, 1942..1992		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o2.ts	Method	TBLASTX:Soybean
Start	1245	End	1616
GI	none	Score	67
Exons	1245..1421, 1248..1436, 1249..1434, 1437..1616, 1549..1596		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o4.tm	Method	TBLASTX:Maize
Start	1530	End	1992
GI	none	Score	60
Exons	1530..1691, 1697..1936, 1703..1858, 1924..1992, 1942..1977		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o4.ts	Method	TBLASTX:Soybean
Start	1617	End	1957
GI	none	Score	59
Exons	1617..1694, 1680..1742, 1682..1957		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.tw	Method	TBLASTX:Wheat
Start	2047	End	2802
GI	none	Score	163
Exons	2047..2802, 2051..2230, 2297..2794		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.ts	Method	TBLASTX:Soybean
Start	2452	End	2850
GI	none	Score	100
Exons	2452..2625, 2629..2850, 2636..2848		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o3.tm	Method	TBLASTX:Maize
Start	2638	End	3102
GI	none	Score	77
Exons	2638..3102, 2645..2821		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o4.tw	Method	TBLASTX:Wheat
Start	2803	End	2995
GI	none	Score	212
Exons	2803..2994, 2804..2995		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o5.ts	Method	TBLASTX:Soybean
Start	2860	End	3240
GI	none	Score	77
Exons	2860..3108, 3091..3240		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.tm	Method	TBLASTX:Maize
Start	3188	End	3565
GI	none	Score	45
Exons	3188..3253, 3202..3255, 3273..3470, 3292..3471, 3293..3472, 3304..3486, 3317..3472, 3461..3565, 3463..3561, 3464..3562		

Seq. No.	43609	Seq. ID	OJ000350_58.0327.C17
Gene No.	91459	Strand	-
Start	846	End	3669
Name	OJ000350_58.0327.C17.o1.gp	Method	AAT/GAP
Start	3487	End	3561
GI	101595_1.R1084	Score	91
Exons	3487..3561		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412
Name	OJ000350_58.0327.C18.o1.np	Method	AAT/NAP
Start	1	End	1164
GI	6630696	Score	1779
Exons	1..1164		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412

Name	OJ000350_58.0327.C18.o1.tm	Method	TBLASTX:Maize
Start	42	End	285
GI	none	Score	133
Exons	42..209, 48..209, 50..226, 55..210, 200..283, 201..284, 202..285, 203..283		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412
Name	OJ000350_58.0327.C18.o1.gs	Method	GENSCAN
Start	167	End	2412
GI	none	Score	.74
Exons	167..300, 507..858, 913..1140, 2296..2412		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412
Name	OJ000350_58.0327.C18.o1.gp	Method	AAT/GAP
Start	226	End	1055
GI	101595_1.R1084	Score	1149
Exons	226..300, 416..1055		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412
Name	OJ000350_58.0327.C18.o2.tm	Method	TBLASTX:Maize
Start	814	End	1122
GI	none	Score	113
Exons	814..1122, 817..996, 893..1075		

Seq. No.	43610	Seq. ID	OJ000350_58.0327.C18
Gene No.	91460	Strand	-
Start	1	End	2412
Name	OJ000350_58.0327.C18.o1.tw	Method	TBLASTX:Wheat
Start	874	End	1270
GI	none	Score	122
Exons	874..996, 874..1158, 893..1165, 1135..1269, 1172..1270		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91461	Strand	+
Start	1650	End	4830
Name	OJ000350_58.0327.C19.o1.gs	Method	GENSCAN
Start	1650	End	4282
GI	none	Score	.97
Exons	1650..1846, 1951..1976, 1988..2158, 2687..4144, 4200..4282		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91461	Strand	+
Start	1650	End	4830
Name	OJ000350_58.0327.C19.o2.np	Method	AAT/NAP
Start	2674	End	4830
GI	2130042	Score	2033
Exons	2674..2772, 2800..4111, 4200..4289, 4769..4830		
GI Descrip.	Mg-chelatase chain Xantha-f - barley gi\|861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum		

vulgare]

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91461	Strand	+
Start	1650	End	4830
Name	OJ000350_58.0327.C19.o2.gp	Method	AAT/GAP
Start	3262	End	3523
GI	3768414	Score	503
Exons	3262..3523		
GI Descrip.	2130042/pir\|\|S64721 4.0e-34 Mg-chelatase chain Xantha-f - barley >gi_861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o1.np	Method	AAT/NAP
Start	1	End	2870
GI	5852093	Score	67
Exons	1..27, 1379..1485, 2811..2870		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o1.gp	Method	AAT/GAP
Start	1888	End	2141
GI	702592	Score	496
Exons	1888..2141		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o1.ts	Method	TBLASTX:Soybean
Start	2671	End	4282
GI	none	Score	49
Exons	2671..2766, 2845..2886, 2944..3015, 2946..2993, 3004..3306, 3019..3102, 3063..3305, 3295..4101, 3309..4013, 3655..4098, 4198..4275, 4199..4282		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o1.tm	Method	TBLASTX:Maize
Start	2943	End	3179
GI	none	Score	265
Exons	2943..3119, 2944..3120, 3066..3179		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o1.tc	Method	TBLASTX:Cress
Start	3241	End	3690
GI	none	Score	107
Exons	3241..3306, 3243..3305, 3295..3675, 3309..3674, 3663..3689, 3664..3690		

Seq. No.	43611	Seq. ID	OJ000350_58.0327.C19
Gene No.	91462	Strand	-
Start	1	End	4282
Name	OJ000350_58.0327.C19.o2.tc	Method	TBLASTX:Cress
Start	3856	End	4282
GI	none	Score	400
Exons	3856..4101, 3858..4097, 3889..4101, 4198..4281, 4199..4282		

Seq. No.	43612	Seq. ID	OJ000350_58.0327.C27
Gene No.	91463	Strand	+
Start	89	End	1244
Name	OJ000350_58.0327.C27.o1.gs	Method	GENSCAN
Start	89	End	1244
GI	none	Score	.56
Exons	89..366, 396..492, 918..1244		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91464	Strand	+
Start	1	End	2145
Name	OJ000350_58.0327.C28.o1.np	Method	AAT/NAP
Start	1	End	2145
GI	7529728	Score	315
Exons	1..467, 653..770, 2112..2145		
GI Descrip.	(AL132969) late embryogenesis abundant protein-like [Arabidopsis thaliana]		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91464	Strand	+
Start	1	End	2145
Name	OJ000350_58.0327.C28.o1.gs	Method	GENSCAN
Start	48	End	820
GI	none	Score	.86
Exons	48..457, 544..820		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91465	Strand	+
Start	3155	End	3405
Name	OJ000350_58.0327.C28.o1.gp	Method	AAT/GAP
Start	3155	End	3405
GI	none	Score	419
Exons	3155..3405		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91466	Strand	-
Start	1205	End	1435
Name	OJ000350_58.0327.C28.o2.gs	Method	GENSCAN
Start	1205	End	1435
GI	none	Score	.46
Exons	1205..1435		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o3.tm	Method	TBLASTX:Maize
Start	2	End	323
GI	none	Score	346
Exons	2..289, 3..290, 12..314, 81..314, 81..323, 177..323, 203..304		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o1.tc	Method	TBLASTX:Cress
Start	6	End	323
GI	none	Score	242
Exons	6..314, 6..314, 6..314, 6..314, 6..299, 6..323, 8..313, 9..314, 12..305, 14..313, 15..314, 15..314, 15..314, 57..314, 105..245, 194..304, 222..314		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o2.ts	Method	TBLASTX:Soybean
Start	6	End	323
GI	none	Score	240
Exons	6..314, 12..314, 15..314, 15..299, 15..320, 15..299, 15..293, 21..314, 21..314, 60..278, 66..314, 78..314, 159..323, 191..313, 194..313, 194..313, 194..313, 194..313		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o4.tm	Method	TBLASTX:Maize
Start	536	End	823
GI	none	Score	54
Exons	536..586, 541..612, 578..613, 638..823, 691..822		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o5.tm	Method	TBLASTX:Maize
Start	3369	End	3641
GI	none	Score	108
Exons	3369..3479, 3383..3475, 3564..3641, 3564..3641		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o2.tc	Method	TBLASTX:Cress
Start	3375	End	3836
GI	none	Score	45
Exons	3375..3470, 3375..3494, 3553..3633, 3562..3636, 3564..3647, 3564..3710, 3786..3836		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o3.gs	Method	GENSCAN
Start	3375	End	5805
GI	none	Score	.83
Exons	3375..3476, 3564..3706, 3752..3917, 4342..4410, 5651..5805		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805

Name	OJ000350_58.0327.C28.o2.np	Method	AAT/NAP
Start	3378	End	4258
GI	6091761	Score	596
Exons	3378..3476, 3564..3706, 3797..3917, 4000..4054, 4131..4258		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o1.tm	Method	TBLASTX:Maize
Start	3642	End	4416
GI	none	Score	69
Exons	3642..3710, 3642..3710, 3650..3724, 3789..3929, 3792..3929, 3793..3930, 3975..4079, 3980..4084, 3995..4087, 4124..4252, 4125..4253, 4129..4257, 4329..4397, 4336..4416, 4336..4416		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o1.ts	Method	TBLASTX:Soybean
Start	3858	End	5792
GI	none	Score	82
Exons	3858..3914, 3998..4060, 4000..4056, 4130..4240, 4131..4241, 4340..4411, 4342..4413, 5406..5519, 5411..5518, 5416..5520, 5422..5526, 5684..5791, 5685..5792		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o1.tw	Method	TBLASTX:Wheat
Start	4000	End	4413
GI	none	Score	53
Exons	4000..4056, 4001..4060, 4130..4246, 4131..4250, 4342..4413		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o2.tm	Method	TBLASTX:Maize
Start	4494	End	5800
GI	none	Score	76
Exons	4494..4517, 4524..4589, 4525..4590, 5422..5541, 5422..5541, 5648..5794, 5649..5795, 5649..5795, 5651..5800		

Seq. No.	43613	Seq. ID	OJ000350_58.0327.C28
Gene No.	91467	Strand	-
Start	3375	End	5805
Name	OJ000350_58.0327.C28.o2.gp	Method	AAT/GAP
Start	4502	End	5805
GI	none	Score	614
Exons	4502..4588, 5430..5538, 5651..5805		

Seq. No.	43614	Seq. ID	OJ000350_58.0327.C29
Gene No.	91468	Strand	+
Start	102	End	548
Name	OJ000350_58.0327.C29.o1.gs	Method	GENSCAN
Start	102	End	548
GI	none	Score	.41

Exons	102..548		
Seq. No.	43614	Seq. ID	OJ000350_58.0327.C29
Gene No.	91469	Strand	-
Start	268	End	458
Name	OJ000350_58.0327.C29.o1.gp	Method	AAT/GAP
Start	268	End	458
GI	none	Score	354
Exons	268..458		
Seq. No.	43614	Seq. ID	OJ000350_58.0327.C29
Gene No.	91470	Strand	-
Start	2365	End	3790
Name	OJ000350_58.0327.C29.o1.np	Method	AAT/NAP
Start	2365	End	3790
GI	5852084	Score	93
Exons	2365..2448, 3719..3790		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91471	Strand	+
Start	690	End	6621
Name	OJ000350_58.0327.C30.o1.np	Method	AAT/NAP
Start	690	End	6621
GI	7489324	Score	197
Exons	690..723, 2781..2951, 3150..3325, 3417..3488, 6544..6621		
GI Descrip.	Dc3 promoter-binding factor-2 - common sunflower gi\|2228773\|gb\|AAC49760.1\| (AF001454) Dc3 promoter-binding factor-2 [Helianthus annuus]		
Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91472	Strand	+
Start	11563	End	12551
Name	OJ000350_58.0327.C30.o3.np	Method	AAT/NAP
Start	11563	End	12551
GI	7485171	Score	175
Exons	11563..11945, 12518..12551		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244915\|emb\|CAB10337.1\| (Z97339) reverse transcriptase like protein [Arabidopsis thaliana] gi\|7268307\|emb\|CAB78601.1\| (AL161542) reverse transcriptase like protein [Arabidopsis thaliana]		
Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o1.gp	Method	AAT/GAP
Start	6986	End	8438
GI	none	Score	1175
Exons	6986..7218, 7404..7560, 7649..7738, 7901..7935, 8182..8262, 8369..8438		
Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o3.tm	Method	TBLASTX:Maize
Start	7087	End	7731

GI	none	Score	117
Exons	7087..7233, 7105..7221, 7119..7253, 7401..7562, 7402..7560, 7652..7729, 7654..7731, 7666..7731		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o2.gs	Method	GENSCAN
Start	7102	End	12236
GI	none	Score	.71
Exons	7102..7218, 7518..7560, 7649..7738, 7901..7935, 8548..8673, 8726..8910, 10089..10206, 10737..10812, 12190..12236		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o2.gp	Method	AAT/GAP
Start	9616	End	10826
GI	630_1.R1084	Score	1074
Exons	9616..10002, 10089..10206, 10737..10826		
GI Descrip.	'4996286/dbj\|BAA78386.1\| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]'		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o2.tm	Method	TBLASTX:Maize
Start	9844	End	10839
GI	none	Score	99
Exons	9844..9876, 9935..10000, 9936..9998, 9937..10008, 10059..10208, 10060..10212, 10082..10207, 10089..10211, 10726..10839, 10737..10829		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o1.tc	Method	TBLASTX:Cress
Start	9917	End	10829
GI	none	Score	76
Exons	9917..10000, 9932..10000, 10060..10212, 10082..10213, 10726..10827, 10735..10827, 10737..10829		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o2.np	Method	AAT/NAP
Start	9938	End	11739
GI	1177047	Score	394
Exons	9938..10002, 10089..10206, 10737..10826, 11629..11739		
GI Descrip.	14 KD ZINC-BINDING PROTEIN (PROTEIN KINASE C INHIBITOR) (PKCI) gi\|629857\|pir\|\|S44158 protein kinase C inhibitor - maize gi\|473187\|emb\|CAA82751\| (Z29643) protein kinase C inhibitor [Zea mays]		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551

Name	OJ000350_58.0327.C30.o2.ts	Method	TBLASTX:Soybean
Start	9947	End	10829
GI	none	Score	101
Exons	9947..10000, 9948..10001, 9948..10001, 10060..10212, 10082..10213, 10726..10827, 10737..10829		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o1.ts	Method	TBLASTX:Soybean
Start	11582	End	11914
GI	none	Score	139
Exons	11582..11740, 11602..11703, 11729..11914, 11749..11853		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o2.tw	Method	TBLASTX:Wheat
Start	11582	End	12082
GI	none	Score	262
Exons	11582..11911, 11590..11886, 11906..11944, 11990..12082		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o4.tm	Method	TBLASTX:Maize
Start	11582	End	11782
GI	none	Score	256
Exons	11582..11782, 11584..11781		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o1.tm	Method	TBLASTX:Maize
Start	11986	End	12458
GI	none	Score	118
Exons	11986..12084, 11987..12085, 12069..12347, 12084..12359, 12227..12349, 12366..12458, 12377..12448		

Seq. No.	43615	Seq. ID	OJ000350_58.0327.C30
Gene No.	91473	Strand	-
Start	6986	End	12551
Name	OJ000350_58.0327.C30.o1.tw	Method	TBLASTX:Wheat
Start	12186	End	12551
GI	none	Score	317
Exons	12186..12551, 12296..12550		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91474	Strand	+
Start	2178	End	2885
Name	OJ000350_58.0327.C31.o2.gs	Method	GENSCAN
Start	2178	End	2885
GI	none	Score	.99
Exons	2178..2885		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91474	Strand	+

Start	2178	End	2885
Name	OJ000350_58.0327.C31.o2.np	Method	AAT/NAP
Start	2313	End	2710
GI	5734617	Score	482
Exons	2313..2710		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91475	Strand	-
Start	360	End	1502
Name	OJ000350_58.0327.C31.o1.gs	Method	GENSCAN
Start	360	End	1432
GI	none	Score	.96
Exons	360..371, 407..464, 1377..1432		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91475	Strand	-
Start	360	End	1502
Name	OJ000350_58.0327.C31.o1.gp	Method	AAT/GAP
Start	394	End	1502
GI	630_1.R1084	Score	326
Exons	394..464, 1377..1502		
GI Descrip.	'4996286/dbj\|BAA78386.1\| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]'		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91475	Strand	-
Start	360	End	1502
Name	OJ000350_58.0327.C31.o1.np	Method	AAT/NAP
Start	394	End	1432
GI	629858	Score	108
Exons	394..464, 1377..1432		
GI Descrip.	protein kinase C inhibitor - maize		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91476	Strand	-
Start	3755	End	6640
Name	OJ000350_58.0327.C31.o3.gs	Method	GENSCAN
Start	3755	End	6640
GI	none	Score	.8
Exons	3755..3897, 4034..4086, 6098..6422, 6490..6640		

Seq. No.	43616	Seq. ID	OJ000350_58.0327.C31
Gene No.	91476	Strand	-
Start	3755	End	6640
Name	OJ000350_58.0327.C31.o1.tw	Method	TBLASTX:Wheat
Start	6267	End	6528
GI	none	Score	84
Exons	6267..6347, 6283..6348, 6361..6423, 6381..6413, 6459..6527, 6463..6528		

Seq. No.	43617	Seq. ID	OJ000350_58.0327.C32
Gene No.	91477	Strand	+
Start	448	End	6406
Name	OJ000350_58.0327.C32.o1.gs	Method	GENSCAN
Start	448	End	6039
GI	none	Score	.48

Exons	448..518, 688..916, 1015..1158, 1225..1304, 2097..2290, 2333..2418, 2466..2599, 2657..2866, 3172..3228, 3491..3523, 4251..6039		
Seq. No.	43617	Seq. ID	OJ000350_58.0327.C32
Gene No.	91477	Strand	+
Start	448	End	6406
Name	OJ000350_58.0327.C32.o1.np	Method	AAT/NAP
Start	4775	End	6406
GI	7329636	Score	614
Exons	4775..6010, 6240..6406		
GI Descrip.	(AL132970) centromere protein-like [Arabidopsis thaliana]		

Seq. No.	43617	Seq. ID	OJ000350_58.0327.C32
Gene No.	91477	Strand	+
Start	448	End	6406
Name	OJ000350_58.0327.C32.o1.tm	Method	TBLASTX:Maize
Start	5548	End	5918
GI	none	Score	93
Exons	5548..5631, 5572..5625, 5647..5850, 5649..5846, 5862..5918		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91478	Strand	+
Start	53	End	265
Name	OJ000350_58.0327.C33.o1.gs	Method	GENSCAN
Start	53	End	265
GI	none	Score	.86
Exons	53..265		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91479	Strand	+
Start	6818	End	7532
Name	OJ000350_58.0327.C33.o1.np	Method	AAT/NAP
Start	6818	End	7532
GI	4996286	Score	773
Exons	6818..7532		
GI Descrip.	(AB020975) lipoyltransferase [Arabidopsis thaliana]		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91479	Strand	+
Start	6818	End	7532
Name	OJ000350_58.0327.C33.o2.gp	Method	AAT/GAP
Start	7074	End	7382
GI	5039076	Score	500
Exons	7074..7382		
GI Descrip.	4996286/dbj\|BAA78386.1\| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91480	Strand	-
Start	3227	End	6221
Name	OJ000350_58.0327.C33.o2.gs	Method	GENSCAN
Start	3227	End	5764
GI	none	Score	.62
Exons	3227..3639, 5045..5148, 5441..5537, 5623..5764		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33

Gene No.	91480	Strand	-
Start	3227	End	6221
Name	OJ000350_58.0327.C33.o1.gp	Method	AAT/GAP
Start	5655	End	6221
GI	3107326	Score	314
Exons	5655..5782, 6179..6221		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91481	Strand	-
Start	7171	End	11237
Name	OJ000350_58.0327.C33.o2.np	Method	AAT/NAP
Start	7171	End	11237
GI	4559382	Score	97
Exons	7171..7200, 8978..9157, 9450..9544, 11205..11237		
GI Descrip.	(AC006526) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91481	Strand	-
Start	7171	End	11237
Name	OJ000350_58.0327.C33.o3.gp	Method	AAT/GAP
Start	9099	End	9566
GI	LIB3433-042-P1-K1-H2	Score	859
Exons	9099..9566		
GI Descrip.	'2130042/pir\|\|S64721 4.0e-34 Mg-chelatase chain Xantha-f - barley >gi_861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]'		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91482	Strand	-
Start	16897	End	17017
Name	OJ000350_58.0327.C33.o3.tm	Method	TBLASTX:Maize
Start	5669	End	6409
GI	none	Score	174
Exons	5669..5794, 5669..5782, 5671..5796, 6179..6244, 6180..6245, 6359..6409, 6361..6402		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91482	Strand	-
Start	16897	End	17017
Name	OJ000350_58.0327.C33.o1.tm	Method	TBLASTX:Maize
Start	6818	End	7547
GI	none	Score	129
Exons	6818..6907, 6844..6912, 6923..6982, 6924..6983, 6975..7391, 7037..7378, 7231..7392, 7401..7529, 7401..7547		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91482	Strand	-
Start	16897	End	17017
Name	OJ000350_58.0327.C33.o2.tm	Method	TBLASTX:Maize
Start	8959	End	9557
GI	none	Score	131
Exons	8959..9186, 8960..9160, 9446..9556, 9447..9557		

Seq. No.	43618	Seq. ID	OJ000350_58.0327.C33
Gene No.	91482	Strand	-
Start	16897	End	17017

Name	OJ000350_58.0327.C33.o4.gs	Method	GENSCAN
Start	16897	End	17017
GI	none	Score	.47
Exons	16897..17017		

Seq. No.	43619	Seq. ID	OJ000350_59.0328.C1
Gene No.	91483	Strand	+
Start	315	End	440
Name	OJ000350_59.0328.C1.o1.gs	Method	GENSCAN
Start	315	End	440
GI	none	Score	.71
Exons	315..440		

Seq. No.	43619	Seq. ID	OJ000350_59.0328.C1
Gene No.	91484	Strand	+
Start	600	End	1061
Name	OJ000350_59.0328.C1.o1.gp	Method	AAT/GAP
Start	600	End	1061
GI	2428323	Score	838
Exons	600..1061		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	43619	Seq. ID	OJ000350_59.0328.C1
Gene No.	91485	Strand	-
Start	1069	End	4316
Name	OJ000350_59.0328.C1.o2.gs	Method	GENSCAN
Start	1069	End	4316
GI	none	Score	.78
Exons	1069..2959, 3055..4316		

Seq. No.	43619	Seq. ID	OJ000350_59.0328.C1
Gene No.	91485	Strand	-
Start	1069	End	4316
Name	OJ000350_59.0328.C1.o1.np	Method	AAT/NAP
Start	1072	End	4316
GI	5803259	Score	5146
Exons	1072..2959, 3055..4316		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	43619	Seq. ID	OJ000350_59.0328.C1
Gene No.	91486	Strand	-
Start	4697	End	4812
Name	OJ000350_59.0328.C1.o3.gs	Method	GENSCAN
Start	4697	End	4812
GI	none	Score	.53
Exons	4697..4812		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91487	Strand	+
Start	333	End	1207
Name	OJ000350_59.0328.C2.o1.gs	Method	GENSCAN
Start	333	End	1207
GI	none	Score	.8
Exons	333..491, 661..831, 1190..1207		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2

Gene No.	91488	Strand	+
Start	7000	End	10819
Name	OJ000350_59.0328.C2.o1.gp	Method	AAT/GAP
Start	6911	End	10819
GI	229_1.R1084	Score	3300
Exons	6911..7080, 7162..7294, 8824..9644, 10188..10819		
GI Descrip.	'113690/sp\|P27941\|AMC2_ORYSA 0.0e+00 ALPHA-AMYLASE ISOZYME C2 PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) >gi_100658_pir__S19990 alpha-amylase (EC 3.2.1.1) - rice >gi_20173_emb_CAA45903_ (X64619) alpha-amylase [Oryza sativa]'		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91488	Strand	+
Start	7000	End	10819
Name	OJ000350_59.0328.C2.o3.gs	Method	GENSCAN
Start	7000	End	7981
GI	none	Score	.73
Exons	7000..7080, 7162..7294, 7911..7981		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91488	Strand	+
Start	7000	End	10819
Name	OJ000350_59.0328.C2.o3.np	Method	AAT/NAP
Start	7000	End	10491
GI	113690	Score	2245
Exons	7000..7080, 7162..7294, 8824..9644, 10188..10491		
GI Descrip.	ALPHA-AMYLASE ISOZYME C2 PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi\|100658\|pir\|\|S19990 alpha-amylase (EC 3.2.1.1) - rice gi\|20173\|emb\|CAA45903\| (X64619) alpha-amylase [Oryza sativa]		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91488	Strand	+
Start	7000	End	10819
Name	OJ000350_59.0328.C2.o4.gs	Method	GENSCAN
Start	8721	End	10490
GI	none	Score	.93
Exons	8721..9644, 10188..10490		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91489	Strand	-
Start	1	End	864
Name	OJ000350_59.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	864
GI	5922623	Score	240
Exons	1..78, 246..398, 780..864		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91490	Strand	-
Start	2164	End	6262
Name	OJ000350_59.0328.C2.o2.gs	Method	GENSCAN
Start	2164	End	6262
GI	none	Score	.54
Exons	2164..2210, 2266..2331, 6187..6262		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91490	Strand	-
Start	2164	End	6262
Name	OJ000350_59.0328.C2.o2.np	Method	AAT/NAP
Start	5649	End	5981
GI	114445	Score	212
Exons	5649..5981		
GI Descrip.	ATP SYNTHASE A CHAIN (PROTEIN 6) gi\|67913\|pir\|\|PWZM6M H+-transporting ATP synthase (EC 3.6.1.34) protein 6 - maize mitochondrion gi\|897620 (M16223) ATPase subunit 6 [Zea mays]		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o1.ts	Method	TBLASTX:Soybean
Start	7127	End	13549
GI	none	Score	39
Exons	7127..7204, 7149..7199, 7182..7295, 7186..7296, 8819..9142, 8820..9185, 9186..9272, 9339..9404, 9368..9637, 9375..9644, 10187..10276, 10188..10430, 10343..10429, 13419..13490, 13469..13549		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	7135	End	13549
GI	none	Score	220
Exons	7135..7218, 7159..7296, 7160..7222, 7161..7295, 7352..7381, 8820..9185, 8822..9142, 9186..9272, 9191..9271, 9263..9403, 9264..9404, 9413..9643, 9414..9644, 9520..9645, 10188..10433, 10188..10277, 10190..10432, 13418..13483, 13419..13490, 13475..13549		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o3.tc	Method	TBLASTX:Cress
Start	7198	End	9404
GI	none	Score	97
Exons	7198..7296, 8859..9002, 9057..9182, 9189..9275, 9282..9326, 9333..9404		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o1.tc	Method	TBLASTX:Cress
Start	9459	End	10352
GI	none	Score	263
Exons	9459..9644, 9470..9637, 9501..9644, 10224..10352		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o5.gs	Method	GENSCAN
Start	13391	End	22658

GI	none	Score	.72
Exons	13391..13548, 13743..13828, 14222..14338, 14430..14484, 15196..15253, 15632..15801, 16389..16441, 17050..17229, 18879..18927, 19714..19813, 19920..20033, 20620..20667, 21050..21252, 21542..21603, 21733..21800, 22157..22231, 22320..22402, 22601..22658		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o2.gp	Method	AAT/GAP
Start	13871	End	16765
GI	52366_1.R1084	Score	2124
Exons	13871..14338, 14430..14484, 15196..15253, 15632..15801, 16389..16765		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o3.tm	Method	TBLASTX:Maize
Start	14117	End	16428
GI	none	Score	37
Exons	14117..14158, 14198..14338, 14200..14340, 14210..14341, 14424..14477, 14427..14483, 14429..14482, 15629..15655, 15632..15658, 15665..15802, 15676..15786, 15701..15802, 16384..16428		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o4.np	Method	AAT/NAP
Start	14221	End	17301
GI	6562262	Score	326
Exons	14221..14351, 15106..15253, 15632..15801, 16389..16508, 17241..17301		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	18473	End	22665
GI	none	Score	68
Exons	18473..18571, 18487..18561, 18589..18624, 18595..18624, 18880..18930, 18881..18928, 19018..19149, 19028..19135, 19029..19136, 19562..19639, 19564..19638, 19715..19828, 19716..19817, 19913..20035, 19920..20036, 19921..20034, 20617..20670, 20618..20671, 20770..20862, 20770..20835, 20771..20836, 20772..20837, 21047..21220, 21048..21224, 21317..21403, 21318..21392, 21493..21603, 21497..21604, 21498..21602, 21732..21788, 21733..21801, 22156..22233, 22157..22288, 22161..22232, 22163..22234, 22306..22377, 22320..22403, 22320..22403, 22599..22664, 22600..22665		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2

Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o4.ts	Method	TBLASTX:Soybean
Start	18850	End	19753
GI	none	Score	62
Exons	18850..18930, 18860..18928, 19018..19149, 19028..19135, 19564..19596, 19709..19753		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o5.np	Method	AAT/NAP
Start	18969	End	22722
GI	6562265	Score	1272
Exons	18969..19134, 19564..19641, 19727..19813, 19920..20033, 20620..20667, 20772..20834, 21050..21216, 21331..21391, 21498..21603, 21733..21800, 22157..22231, 22320..22402, 22601..22722		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o2.ts	Method	TBLASTX:Soybean
Start	19755	End	20835
GI	none	Score	76
Exons	19755..19817, 19760..19828, 19920..20036, 19921..20034, 20617..20670, 20618..20671, 20770..20835, 20772..20834		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o2.tc	Method	TBLASTX:Cress
Start	19950	End	21217
GI	none	Score	85
Exons	19950..20036, 19954..20034, 20617..20670, 20618..20671, 20770..20862, 20772..20831, 21050..21217, 21055..21171, 21060..21215		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o3.gp	Method	AAT/GAP
Start	20575	End	21218
GI	1631668	Score	467
Exons	20575..20667, 20772..20834, 21050..21218		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o4.tc	Method	TBLASTX:Cress
Start	21553	End	22683
GI	none	Score	65
Exons	21553..21603, 21555..21602, 21732..21788, 22157..22234, 22161..22232, 22320..22427, 22320..22403, 22599..22682, 22600..22683		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o4.gp	Method	AAT/GAP
Start	21558	End	22722
GI	36544_1.R1084	Score	672
Exons	21558..21603, 21733..21800, 22157..22231, 22320..22402, 22601..22722		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	43620	Seq. ID	OJ000350_59.0328.C2
Gene No.	91491	Strand	-
Start	13391	End	22722
Name	OJ000350_59.0328.C2.o3.ts	Method	TBLASTX:Soybean
Start	22157	End	22683
GI	none	Score	100
Exons	22157..22234, 22161..22232, 22320..22427, 22320..22403, 22599..22682, 22600..22683		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91492	Strand	+
Start	781	End	3584
Name	OJ000350_59.0328.C3.o2.np	Method	AAT/NAP
Start	781	End	3584
GI	7106528	Score	111
Exons	781..817, 3459..3584		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91493	Strand	-
Start	408	End	2668
Name	OJ000350_59.0328.C3.o1.gp	Method	AAT/GAP
Start	408	End	2668
GI	22926_1.R1084	Score	1228
Exons	408..715, 1408..1463, 2165..2246, 2373..2414, 2503..2668		
GI Descrip.	'3096939/emb\|CAA18849.1\| 6.0e-35 (AL023094) putative protein [Arabidopsis thaliana]'		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91493	Strand	-
Start	408	End	2668
Name	OJ000350_59.0328.C3.o1.np	Method	AAT/NAP
Start	677	End	2634
GI	7487663	Score	304
Exons	677..715, 1408..1463, 2165..2246, 2503..2634		
GI Descrip.	hypothetical protein T4L20.280 - Arabidopsis thaliana gi\|3096939\|emb\|CAA18849.1\| (AL023094) putative protein [Arabidopsis thaliana] gi\|7270421\|emb\|CAB80187.1\| (AL161586) putative protein [Arabidopsis thaliana]		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91493	Strand	-
Start	408	End	2668
Name	OJ000350_59.0328.C3.o1.gs	Method	GENSCAN
Start	1120	End	2628

GI	none	Score	.92
Exons	1120..1149, 1408..1463, 2165..2246, 2373..2414, 2503..2628		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	561	End	2673
GI	none	Score	95
Exons	561..587, 660..725, 1405..1464, 1409..1465, 2165..2254, 2165..2230, 2166..2246, 2372..2434, 2379..2414, 2503..2673, 2504..2602		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o3.tw	Method	TBLASTX:Wheat
Start	573	End	2595
GI	none	Score	51
Exons	573..662, 587..607, 652..726, 664..711, 674..715, 1405..1464, 1408..1464, 1409..1489, 2154..2246, 2165..2248, 2166..2246, 2167..2247, 2371..2433, 2372..2434, 2503..2565, 2503..2595		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o2.gp	Method	AAT/GAP
Start	3418	End	3561
GI	21474_1.R1084	Score	251
Exons	3418..3561		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o2.gs	Method	GENSCAN
Start	3852	End	7534
GI	none	Score	.64
Exons	3852..4025, 4105..4203, 4298..4370, 4455..4565, 4662..4835, 4945..5630, 5632..5774, 5897..6038, 6113..7534		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o3.np	Method	AAT/NAP
Start	3870	End	7549
GI	4680204	Score	1067
Exons	3870..4007, 4346..4565, 4662..4835, 4945..6038, 6113..7549		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o2.tw	Method	TBLASTX:Wheat
Start	4496	End	5018
GI	none	Score	68

Exons	4496..4567, 4667..4849, 4674..4799, 4938..5018		
Seq. No.	43621	Seq. ID	OJ000350_59.0328.C3
Gene No.	91494	Strand	-
Start	3852	End	7549
Name	OJ000350_59.0328.C3.o1.tw	Method	TBLASTX:Wheat
Start	6503	End	6906
GI	none	Score	84
Exons	6503..6673, 6636..6803, 6668..6904, 6755..6904, 6766..6906, 6796..6906		
Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91495	Strand	+
Start	5320	End	8335
Name	OJ000350_59.0328.C4.o2.gs	Method	GENSCAN
Start	5320	End	8335
GI	none	Score	.92
Exons	5320..5361, 6882..6949, 7712..7847, 7948..8082, 8192..8335		
Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.gp	Method	AAT/GAP
Start	56	End	4149
GI	342_1.R1084	Score	6658
Exons	56..571, 681..785, 904..4149		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o2.gp	Method	AAT/GAP
Start	56	End	4153
GI	342_1.R1084	Score	6662
Exons	56..571, 681..785, 904..4153		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o4.gp	Method	AAT/GAP
Start	223	End	4311
GI	342_1.R1084	Score	6558
Exons	223..571, 681..785, 904..4311		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o5.gp	Method	AAT/GAP
Start	225	End	4311
GI	342_1.R1084	Score	6554
Exons	225..571, 681..785, 904..4311		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o3.gp	Method	AAT/GAP
Start	234	End	4311
GI	342_1.R1084	Score	6536
Exons	234..571, 681..785, 904..4311		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.np	Method	AAT/NAP
Start	1009	End	4315
GI	4680203	Score	3225
Exons	1009..1984, 2261..2491, 2645..4315		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	1063	End	2378
GI	none	Score	131
Exons	1063..1155, 1144..1224, 1237..1377, 1238..1378, 1357..1416, 1423..1467, 1428..1463, 1462..1695, 1478..1690, 1754..1996, 1764..1994, 1999..2142, 2000..2146, 2136..2378, 2138..2377, 2145..2378		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.tc	Method	TBLASTX:Cress
Start	1645	End	2089
GI	none	Score	161
Exons	1645..1695, 1754..1996, 1764..1994, 1999..2085, 2000..2089		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o2.tm	Method	TBLASTX:Maize
Start	2020	End	2335
GI	none	Score	61
Exons	2020..2142, 2051..2128, 2138..2335		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o3.tw	Method	TBLASTX:Wheat
Start	2379	End	2789
GI	none	Score	81
Exons	2379..2465, 2381..2470, 2381..2464, 2498..2716, 2538..2720, 2726..2788, 2739..2789		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o2.ts	Method	TBLASTX:Soybean
Start	2822	End	3064
GI	none	Score	210
Exons	2822..3064		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	2894	End	3351
GI	none	Score	52
Exons	2894..3088, 3098..3217, 3098..3223, 3217..3339, 3223..3351		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o2.tw	Method	TBLASTX:Wheat
Start	2928	End	3395
GI	none	Score	172
Exons	2928..3134, 2928..3137, 2933..3136, 2933..3157, 3137..3223, 3138..3224, 3144..3224, 3238..3339, 3242..3331, 3343..3387, 3345..3395		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o2.tc	Method	TBLASTX:Cress
Start	3217	End	3530
GI	none	Score	74
Exons	3217..3339, 3245..3340, 3357..3413, 3398..3523, 3423..3530		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	3551	End	3841
GI	none	Score	103
Exons	3551..3616, 3623..3841, 3627..3833		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o4.tw	Method	TBLASTX:Wheat
Start	3613	End	3964
GI	none	Score	187
Exons	3613..3864, 3623..3874, 3624..3866, 3857..3964		

Seq. No.	43622	Seq. ID	OJ000350_59.0328.C4
Gene No.	91496	Strand	-
Start	56	End	4763
Name	OJ000350_59.0328.C4.o7.gp	Method	AAT/GAP
Start	4176	End	4763
GI	2310235	Score	299
Exons	4176..4315, 4726..4763		

GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91497	Strand	+
Start	376	End	618
Name	OJ000350_59.0328.C5.o1.gp	Method	AAT/GAP
Start	376	End	618
GI	LIB3474-007-P1-K1-A4	Score	477
Exons	376..618		
GI Descrip.	'1839597/bbs\|178269 2.0e-56 (S82324) calcium/calmodulin-dependent protein kinase homolog_CaM kinase homolog_MCK1 [Zea mays=maize, cv. Merit, root caps, Peptide, 625 aa] [Zea mays]'		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91498	Strand	+
Start	526	End	6745
Name	OJ000350_59.0328.C5.o1.gs	Method	GENSCAN
Start	526	End	6745
GI	none	Score	.57
Exons	526..669, 865..1155, 3079..3209, 3880..3938, 4271..4567, 4677..4786, 5514..5567, 6263..6430, 6608..6745		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91498	Strand	+
Start	526	End	6745
Name	OJ000350_59.0328.C5.o1.np	Method	AAT/NAP
Start	526	End	6742
GI	7446432	Score	2480
Exons	526..644, 696..1155, 3079..3209, 3484..3525, 3623..3731, 3860..3938, 4271..4567, 4677..4786, 5463..5567, 5698..5760, 6263..6430, 6608..6742		
GI Descrip.	calcium/calmodulin-dependent protein kinase homolog - maize gi\|1839597\|gb\|AAB47181.1\| (S82324) calcium/calmodulin-dependent protein kinase homolog\|CaM kinase homolog\|MCK1 [Zea mays=maize, cv. Merit, root caps, Peptide, 625 aa]		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91498	Strand	+
Start	526	End	6745
Name	OJ000350_59.0328.C5.o2.gp	Method	AAT/GAP
Start	4351	End	4785
GI	3768359	Score	620
Exons	4351..4567, 4677..4785		
GI Descrip.	1839597/bbs\|178269 2.0e-56 (S82324) calcium/calmodulin-dependent protein kinase homolog_CaM kinase homolog_MCK1 [Zea mays=maize, cv. Merit, root caps, Peptide, 625 aa] [Zea mays]		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91499	Strand	+
Start	16576	End	19910
Name	OJ000350_59.0328.C5.o4.gs	Method	GENSCAN
Start	16576	End	19910
GI	none	Score	.5
Exons	16576..16668, 16998..17068, 18963..19100, 19751..19910		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91500	Strand	+
Start	24297	End	24527
Name	OJ000350_59.0328.C5.o5.gs	Method	GENSCAN
Start	24297	End	24527
GI	none	Score	.61
Exons	24297..24527		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91501	Strand	+
Start	30426	End	34403
Name	OJ000350_59.0328.C5.o7.gs	Method	GENSCAN
Start	30426	End	34328
GI	none	Score	.92
Exons	30426..30458, 31163..31390, 31479..31779, 31870..32028, 33365..33660, 33983..34120, 34167..34328		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91501	Strand	+
Start	30426	End	34403
Name	OJ000350_59.0328.C5.o3.np	Method	AAT/NAP
Start	31193	End	34228
GI	7487509	Score	1318
Exons	31193..31390, 31479..31779, 31870..32028, 33365..33660, 33983..34228		
GI Descrip.	hypothetical protein T29A15.170 - Arabidopsis thaliana gi\|4469019\|emb\|CAB38280.1\| (AL035602) putative protein [Arabidopsis thaliana] gi\|7269622\|emb\|CAB81418.1\| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91501	Strand	+
Start	30426	End	34403
Name	OJ000350_59.0328.C5.o4.gp	Method	AAT/GAP
Start	31330	End	31750
GI	LIB3434-031-P1-K1-H7	Score	601
Exons	31330..31390, 31479..31750		
GI Descrip.	'4469019/emb\|CAB38280\| 6.0e-49 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91501	Strand	+
Start	30426	End	34403
Name	OJ000350_59.0328.C5.o5.gp	Method	AAT/GAP
Start	31855	End	33574
GI	LIB3433-055-P1-K1-A11	Score	704
Exons	31855..32028, 33365..33574		
GI Descrip.	'4469019/emb\|CAB38280\| 3.0e-52 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91501	Strand	+
Start	30426	End	34403
Name	OJ000350_59.0328.C5.o6.gp	Method	AAT/GAP
Start	33579	End	34403
GI	14207_2.R1084	Score	982
Exons	33579..33660, 33983..34403		

GI Descrip.	'4469019/emb\|CAB38280\| 3.0e-14 (AL035602) putative protein [Arabidopsis thaliana]'		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91502	Strand	+
Start	39196	End	40132
Name	OJ000350_59.0328.C5.o9.gp	Method	AAT/GAP
Start	39009	End	39306
GI	4969273	Score	587
Exons	39009..39306		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91502	Strand	+
Start	39196	End	40132
Name	OJ000350_59.0328.C5.o10.gs	Method	GENSCAN
Start	39196	End	39827
GI	none	Score	.86
Exons	39196..39389, 39500..39827		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91502	Strand	+
Start	39196	End	40132
Name	OJ000350_59.0328.C5.o10.gp	Method	AAT/GAP
Start	39687	End	40132
GI	none	Score	892
Exons	39687..40132		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91503	Strand	+
Start	50886	End	56341
Name	OJ000350_59.0328.C5.o12.gs	Method	GENSCAN
Start	50886	End	55346
GI	none	Score	.79
Exons	50886..50908, 51377..51519, 51591..51814, 51864..51983, 52361..52567, 52955..53141, 53826..53845, 53895..54065, 54343..54573, 55230..55346		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91503	Strand	+
Start	50886	End	56341
Name	OJ000350_59.0328.C5.o6.np	Method	AAT/NAP
Start	52403	End	56341
GI	7486092	Score	324
Exons	52403..52567, 52955..53115, 53915..54065, 54343..54573, 56310..56341		
GI Descrip.	hypothetical protein F24L7.10 - Arabidopsis thaliana gi\|2914697\|gb\|AAC04487.1\| (AC003974) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91504	Strand	+
Start	59452	End	63071
Name	OJ000350_59.0328.C5.o8.np	Method	AAT/NAP
Start	59452	End	63071
GI	7508879	Score	167
Exons	59452..59643, 61338..61917, 62938..63071		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans		

gi|1947160|gb|AAC48255.1| (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91504	Strand	+
Start	59452	End	63071
Name	OJ000350_59.0328.C5.o14.gs	Method	GENSCAN
Start	61332	End	61913
GI	none	Score	.93
Exons	61332..61913		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91505	Strand	-
Start	7949	End	11076
Name	OJ000350_59.0328.C5.o2.gs	Method	GENSCAN
Start	7949	End	11076
GI	none	Score	.61
Exons	7949..8152, 8317..8350, 8653..8704, 11007..11076		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91506	Strand	-
Start	13663	End	14902
Name	OJ000350_59.0328.C5.o3.gp	Method	AAT/GAP
Start	13530	End	14254
GI	73337_1.R1084	Score	1308
Exons	13530..14254		
GI Descrip.	'3831443 5.0e-10 (AC005819) putative auxin-regulated protein [Arabidopsis thaliana]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91506	Strand	-
Start	13663	End	14902
Name	OJ000350_59.0328.C5.o3.gs	Method	GENSCAN
Start	13663	End	14088
GI	none	Score	.68
Exons	13663..14088		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91506	Strand	-
Start	13663	End	14902
Name	OJ000350_59.0328.C5.o2.np	Method	AAT/NAP
Start	13666	End	14902
GI	3831443	Score	181
Exons	13666..13725, 13759..14021, 14839..14902		
GI Descrip.	(AC005819) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91507	Strand	-
Start	27722	End	28099
Name	OJ000350_59.0328.C5.o6.gs	Method	GENSCAN
Start	27722	End	28099
GI	none	Score	.59
Exons	27722..28099		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91508	Strand	-

Start	34722	End	37210
Name	OJ000350_59.0328.C5.o8.gs	Method	GENSCAN
Start	34722	End	35484
GI	none	Score	.88
Exons	34722..34793, 34831..35484		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91508	Strand	-
Start	34722	End	37210
Name	OJ000350_59.0328.C5.o7.gp	Method	AAT/GAP
Start	34793	End	35197
GI	LIB3434-038-P1-K1-D6	Score	742
Exons	34793..35197		
GI Descrip.	'5926718/dbj\|BAA84640.1\| 4.0e-20 (AB007911) PRA2 [Pisum sativum]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91508	Strand	-
Start	34722	End	37210
Name	OJ000350_59.0328.C5.o4.np	Method	AAT/NAP
Start	34813	End	36315
GI	5926718	Score	677
Exons	34813..35482, 36275..36315		
GI Descrip.	(AB007911) PRA2 [Pisum sativum]		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91508	Strand	-
Start	34722	End	37210
Name	OJ000350_59.0328.C5.o8.gp	Method	AAT/GAP
Start	36045	End	37210
GI	1204_1.R1084	Score	167
Exons	36045..36078, 37115..37210		
GI Descrip.	'461595/sp\|P31853\|ATPX_SPIOL 4.0e-35 ATP SYNTHASE B'' CHAIN PRECURSOR (SUBUNIT II) >gi_479533_pir__S34473 H+-transporting ATP synthase (EC 3.6.1.34) chain 9 - spinach >gi_394755_emb_CAA50520_ (X71397) CF(o)II ATP synthase subunit 9 [Spinacia oleracea]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91509	Strand	-
Start	37238	End	37756
Name	OJ000350_59.0328.C5.o9.gs	Method	GENSCAN
Start	37238	End	37756
GI	none	Score	.99
Exons	37238..37756		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91510	Strand	-
Start	44562	End	48848
Name	OJ000350_59.0328.C5.o11.gs	Method	GENSCAN
Start	44562	End	48848
GI	none	Score	.71
Exons	44562..44747, 44803..44893, 45551..46056, 46062..46184, 46687..46950, 47420..47512, 47762..48082, 48587..48734, 48811..48848		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5

Gene No.	91510	Strand	-
Start	44562	End	48848
Name	OJ000350_59.0328.C5.o5.np	Method	AAT/NAP
Start	45572	End	48621
GI	7434305	Score	789
Exons	45572..45963, 46062..46190, 46705..46950, 47762..47997, 48507..48621		
GI Descrip.	probable protein kinase - Arabidopsis thaliana gi\|2245124\|emb\|CAB10546.1\| (Z97343) NAK like protein kinase [Arabidopsis thaliana] gi\|7268518\|emb\|CAB78769.1\| (AL161546) NAK like protein kinase [Arabidopsis thaliana]		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91511	Strand	-
Start	56126	End	60850
Name	OJ000350_59.0328.C5.o13.gs	Method	GENSCAN
Start	56126	End	60850
GI	none	Score	.75
Exons	56126..56248, 57192..57266, 57355..57447, 57986..58065, 58217..58305, 58483..58520, 58617..58710, 58997..59089, 59377..59460, 59839..59998, 60784..60850		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91511	Strand	-
Start	56126	End	60850
Name	OJ000350_59.0328.C5.o11.gp	Method	AAT/GAP
Start	56356	End	57413
GI	3107012	Score	710
Exons	56356..56625, 57192..57266, 57355..57413		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91511	Strand	-
Start	56126	End	60850
Name	OJ000350_59.0328.C5.o7.np	Method	AAT/NAP
Start	56539	End	59453
GI	3668086	Score	614
Exons	56539..56625, 57192..57309, 57351..57447, 57538..57594, 57986..58065, 58217..58314, 58480..58520, 58617..58710, 58997..59089, 59377..59453		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91511	Strand	-
Start	56126	End	60850
Name	OJ000350_59.0328.C5.o12.gp	Method	AAT/GAP
Start	58970	End	59708
GI	64108_1.R1084	Score	777
Exons	58970..59089, 59377..59708		
GI Descrip.	'3668086 3.0e-13 (AC004667) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o2.tc	Method	TBLASTX:Cress
Start	859	End	45963
GI	none	Score	70

Exons 859..930, 864..926, 996..1118, 997..1122, 3076..3210,
3078..3209, 3470..3526, 3617..3727, 3621..3731, 3621..3740,
3857..3949, 3859..3957, 4017..4082, 4263..4568, 4269..4562,
4270..4569, 4676..4696, 4706..4786, 6254..6403, 6272..6457,
6277..6426, 6632..6721, 6640..6711, 45847..45909, 45907..45963

Seq. No. 43623 Seq. ID OJ000350_59.0328.C5
Gene No. 91512 Strand -
Start 62804 End 64159
Name OJ000350_59.0328.C5.o9.ts Method TBLASTX:Soybean
Start 991 End 3949
GI none Score 128
Exons 991..1122, 1041..1115, 3076..3210, 3076..3207, 3078..3212,
3078..3209, 3470..3526, 3620..3727, 3621..3731, 3857..3949,
3859..3936

Seq. No. 43623 Seq. ID OJ000350_59.0328.C5
Gene No. 91512 Strand -
Start 62804 End 64159
Name OJ000350_59.0328.C5.o2.tm Method TBLASTX:Maize
Start 1062 End 6986
GI none Score 108
Exons 1062..1124, 1063..1125, 1068..1142, 1079..1141, 3076..3207,
3078..3206, 3419..3514, 3483..3521, 3483..3521, 3485..3526,
3620..3670, 3620..3727, 3621..3731, 3621..3731, 3847..3942,
3857..3949, 3857..3937, 3859..3948, 4032..4082, 4263..4568,
4269..4568, 4270..4569, 4270..4575, 4634..4786, 4672..4833,
4678..4794, 5434..5568, 5458..5583, 5460..5582, 5697..5759,
5698..5763, 6249..6401, 6263..6433, 6266..6430, 6604..6744,
6605..6745, 6605..6745, 6797..6859, 6864..6986

Seq. No. 43623 Seq. ID OJ000350_59.0328.C5
Gene No. 91512 Strand -
Start 62804 End 64159
Name OJ000350_59.0328.C5.o4.tw Method TBLASTX:Wheat
Start 3872 End 4566
GI none Score 82
Exons 3872..3949, 4048..4074, 4255..4566, 4263..4421

Seq. No. 43623 Seq. ID OJ000350_59.0328.C5
Gene No. 91512 Strand -
Start 62804 End 64159
Name OJ000350_59.0328.C5.o3.ts Method TBLASTX:Soybean
Start 4261 End 6664
GI none Score 150
Exons 4261..4359, 4264..4359, 4359..4562, 4359..4562, 4360..4569,
4675..4791, 4676..4786, 4835..4876, 5460..5564, 5498..5560,
6251..6418, 6264..6422, 6265..6426, 6266..6445, 6605..6664

Seq. No. 43623 Seq. ID OJ000350_59.0328.C5
Gene No. 91512 Strand -
Start 62804 End 64159
Name OJ000350_59.0328.C5.o10.tm Method TBLASTX:Maize
Start 13780 End 14094
GI none Score 131
Exons 13780..13926, 13805..14083, 13999..14094

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o1.ts	Method	TBLASTX:Soybean
Start	31193	End	34057
GI	none	Score	253
Exons	31193..31390, 31279..31392, 31478..31777, 31479..31778, 31740..31778, 31865..32026, 31869..32030, 31875..32033, 32146..32193, 33364..33657, 33366..33437, 33367..33639, 33504..33647, 33986..34057		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o6.tc	Method	TBLASTX:Cress
Start	31193	End	31392
GI	none	Score	252
Exons	31193..31390, 31279..31392		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o1.tm	Method	TBLASTX:Maize
Start	31198	End	33517
GI	none	Score	276
Exons	31198..31392, 31199..31390, 31476..31571, 31478..31777, 31479..31778, 31725..31778, 31859..32026, 31869..32030, 31869..32033, 33364..33516, 33367..33516, 33431..33517		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o2.tw	Method	TBLASTX:Wheat
Start	31485	End	31775
GI	none	Score	314
Exons	31485..31775, 31493..31774		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o3.tc	Method	TBLASTX:Cress
Start	31494	End	32033
GI	none	Score	315
Exons	31494..31775, 31616..31774, 31869..31952, 31962..32033		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o6.tw	Method	TBLASTX:Wheat
Start	31962	End	33645
GI	none	Score	73
Exons	31962..32033, 33364..33645		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o8.tc	Method	TBLASTX:Cress

Start	33364	End	33657
GI	none	Score	232
Exons	33364..33657		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o7.tm	Method	TBLASTX:Maize
Start	33519	End	34299
GI	none	Score	213
Exons	33519..33659, 33520..33660, 33557..33661, 33977..34057, 33985..34053, 34043..34168, 34053..34196, 34066..34242, 34069..34167, 34074..34241, 34242..34298, 34246..34299, 34246..34299		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o1.tc	Method	TBLASTX:Cress
Start	34954	End	35481
GI	none	Score	195
Exons	34954..35481, 35213..35449		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o2.ts	Method	TBLASTX:Soybean
Start	34954	End	35472
GI	none	Score	268
Exons	34954..35472, 34970..35449		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o7.tw	Method	TBLASTX:Wheat
Start	34954	End	35205
GI	none	Score	193
Exons	34954..35205		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o3.tm	Method	TBLASTX:Maize
Start	34954	End	35481
GI	none	Score	69
Exons	34954..35481, 34982..35149, 35213..35449		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o1.tw	Method	TBLASTX:Wheat
Start	35209	End	35478
GI	none	Score	290
Exons	35209..35478, 35210..35449		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-

Start	62804	End	64159
Name	OJ000350_59.0328.C5.o7.tc	Method	TBLASTX:Cress
Start	45571	End	47998
GI	none	Score	153
Exons	45571..45846, 46057..46188, 46059..46187, 46690..46848, 46867..46953, 47846..47998		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o4.ts	Method	TBLASTX:Soybean
Start	45652	End	46175
GI	none	Score	183
Exons	45652..45963, 45746..45955, 46059..46175, 46060..46173		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o5.tm	Method	TBLASTX:Maize
Start	45652	End	46957
GI	none	Score	136
Exons	45652..45966, 45737..45955, 46057..46185, 46059..46184, 46705..46773, 46774..46842, 46789..46848, 46855..46953, 46862..46957		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o3.tw	Method	TBLASTX:Wheat
Start	45793	End	46770
GI	none	Score	102
Exons	45793..45966, 45794..45949, 46057..46176, 46059..46184, 46708..46770		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o6.ts	Method	TBLASTX:Soybean
Start	46696	End	47935
GI	none	Score	137
Exons	46696..46953, 46699..46959, 47762..47935		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o9.tm	Method	TBLASTX:Maize
Start	53901	End	55505
GI	none	Score	159
Exons	53901..53945, 53951..54052, 53952..54065, 53952..54065, 54340..54444, 54342..54575, 54343..54426, 54345..54578, 55227..55343, 55229..55339, 55449..55505		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o8.tm	Method	TBLASTX:Maize
Start	56543	End	59619

GI	none	Score	99
Exons	56543..56626, 56548..56637, 57189..57269, 57191..57268, 57199..57273, 57346..57450, 57354..57449, 57355..57450, 57538..57597, 57539..57598, 57980..58066, 57990..58067, 57991..58068, 58213..58302, 58214..58300, 58215..58301, 58218..58304, 58482..58520, 58483..58521, 58602..58712, 58618..58713, 58954..59097, 58998..59090, 59374..59454, 59376..59453, 59581..59619		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o8.ts	Method	TBLASTX:Soybean
Start	56554	End	59088
GI	none	Score	115
Exons	56554..56637, 57228..57266, 57346..57450, 57347..57460, 57354..57458, 57538..57597, 57545..57592, 57980..58063, 58480..58521, 58482..58520, 58602..58712, 58618..58710, 58993..59088, 58996..59088		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o5.tc	Method	TBLASTX:Cress
Start	61677	End	61904
GI	none	Score	283
Exons	61677..61904, 61682..61843		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o7.ts	Method	TBLASTX:Soybean
Start	61686	End	61892
GI	none	Score	275
Exons	61686..61892, 61703..61861		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o6.tm	Method	TBLASTX:Maize
Start	61707	End	61925
GI	none	Score	313
Exons	61707..61925, 61709..61903		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o9.np	Method	AAT/NAP
Start	62766	End	64159
GI	1076692	Score	476
Exons	62766..63133, 63280..63449, 63568..63690, 63828..64159		
GI Descrip.	cellulase (EC 3.2.1.4) - European elder (fragment)		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o4.tm	Method	TBLASTX:Maize

Start	62784	End	64034
GI	none	Score	284
Exons	62784..63161, 62873..63157, 63262..63423, 63280..63447, 63284..63454, 63566..63715, 63567..63713, 63825..63893, 63826..63885, 63894..64034, 63895..64014		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o15.gs	Method	GENSCAN
Start	62804	End	64135
GI	none	Score	.82
Exons	62804..63133, 63187..63446, 63568..63675, 63828..63974, 63982..64135		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o4.tc	Method	TBLASTX:Cress
Start	62811	End	63920
GI	none	Score	180
Exons	62811..63011, 62873..63010, 63011..63136, 63015..63134, 63266..63454, 63280..63447, 63573..63638, 63584..63640, 63686..63742, 63825..63920		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o5.ts	Method	TBLASTX:Soybean
Start	62811	End	64122
GI	none	Score	162
Exons	62811..63011, 62873..63010, 63011..63157, 63012..63134, 63280..63444, 63284..63454, 63573..63638, 63584..63715, 63825..63893, 63826..63876, 63894..64121, 63901..64122		

Seq. No.	43623	Seq. ID	OJ000350_59.0328.C5
Gene No.	91512	Strand	-
Start	62804	End	64159
Name	OJ000350_59.0328.C5.o5.tw	Method	TBLASTX:Wheat
Start	62882	End	63438
GI	none	Score	93
Exons	62882..63007, 62883..63008, 63026..63136, 63033..63119, 63265..63438, 63277..63417		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853
Name	OJ000350_59.0328.C6.o2.gs	Method	GENSCAN
Start	749	End	8407
GI	none	Score	.71
Exons	749..927, 1182..1243, 1586..1622, 1670..1814, 1959..2812, 4282..4412, 4771..4879, 5277..5530, 6221..6382, 6668..6718, 7391..7479, 7834..7911, 8013..8216, 8303..8407		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853

Name	OJ000350_59.0328.C6.o2.np	Method	AAT/NAP
Start	1950	End	4453
GI	4406819	Score	731
Exons	1950..2812, 4282..4453		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853
Name	OJ000350_59.0328.C6.o1.gp	Method	AAT/GAP
Start	2010	End	2305
GI	uC-osflcyp006b06b1	Score	561
Exons	2010..2305		
GI Descrip.	'4406819/gb\|AAD20127\| 8.0e-13 (AC006201) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853
Name	OJ000350_59.0328.C6.o2.gp	Method	AAT/GAP
Start	2544	End	4971
GI	21438_1.R1084	Score	1505
Exons	2544..2812, 4282..4516, 4638..4971		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853
Name	OJ000350_59.0328.C6.o3.gp	Method	AAT/GAP
Start	5380	End	8853
GI	18666_1.R1084	Score	2194
Exons	5380..5530, 6221..6382, 6668..6718, 7391..7479, 7834..7911, 8013..8216, 8303..8374, 8464..8853		
GI Descrip.	'4803927/gb\|AAD29800.1\|AC006264_8 6.0e-73 (AC006264) signal sequence receptor, alpha subunit (SSR-alpha) [Arabidopsis thaliana]'		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91513	Strand	+
Start	749	End	8853
Name	OJ000350_59.0328.C6.o3.np	Method	AAT/NAP
Start	5485	End	8514
GI	1174448	Score	524
Exons	5485..5530, 6221..6382, 6668..6718, 7391..7479, 7834..7911, 8013..8216, 8303..8374, 8464..8514		
GI Descrip.	TRANSLOCON-ASSOCIATED PROTEIN, ALPHA SUBUNIT PRECURSOR (TRAP-ALPHA) (SIGNAL SEQUENCE RECEPTOR ALPHA SUBUNIT) (SSR-ALPHA) gi\|547391\|gb\|AAA21820.1\| (L32016) alpha-subunit; putative [Arabidopsis thaliana]		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91514	Strand	-
Start	80	End	657
Name	OJ000350_59.0328.C6.o1.gs	Method	GENSCAN
Start	80	End	657
GI	none	Score	.74

Exons	80..381, 462..657		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91514	Strand	-
Start	80	End	657
Name	OJ000350_59.0328.C6.o1.np	Method	AAT/NAP
Start	98	End	576
GI	4165132	Score	232
Exons	98..381, 462..576		
GI Descrip.	(AF098292) endo-beta-1,4-D-glucanase [Lycopersicon esculentum]		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o2.tc	Method	TBLASTX:Cress
Start	2	End	358
GI	none	Score	177
Exons	2..22, 95..304, 96..305, 302..358		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o2.ts	Method	TBLASTX:Soybean
Start	95	End	639
GI	none	Score	192
Exons	95..397, 96..380, 215..397, 443..526, 451..525, 565..639		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o3.tm	Method	TBLASTX:Maize
Start	95	End	639
GI	none	Score	212
Exons	95..397, 96..383, 263..397, 289..399, 451..525, 464..526, 583..639		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o4.ts	Method	TBLASTX:Soybean
Start	2028	End	2353
GI	none	Score	292
Exons	2028..2339, 2132..2353		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	2207	End	2813
GI	none	Score	176
Exons	2207..2335, 2208..2324, 2331..2780, 2367..2762, 2405..2779, 2751..2813, 2762..2791		
Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o1.ts	Method	TBLASTX:Soybean

Start	2391	End	2820
GI	none	Score	483
Exons	2391..2813, 2409..2759, 2426..2791, 2548..2820		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o3.tc	Method	TBLASTX:Cress
Start	2562	End	4450
GI	none	Score	297
Exons	2562..2813, 2567..2791, 2569..2814, 2574..2813, 4271..4450		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o2.tm	Method	TBLASTX:Maize
Start	6219	End	8598
GI	none	Score	144
Exons	6219..6380, 6220..6381, 6220..6381, 6293..6382, 6616..6720, 6667..6726, 7389..7415, 7389..7478, 7390..7479, 7390..7479, 7391..7507, 7445..7510, 7822..7911, 7833..7910, 7971..8192, 8006..8215, 8007..8216, 8293..8373, 8298..8396, 8303..8374, 8457..8594, 8462..8503, 8497..8595, 8530..8598		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o3.ts	Method	TBLASTX:Soybean
Start	6220	End	8510
GI	none	Score	127
Exons	6220..6381, 6274..6375, 6282..6380, 6667..6726, 7369..7479, 7390..7500, 7821..7910, 7822..7911, 8006..8212, 8007..8216, 8302..8370, 8303..8374, 8484..8510, 8484..8510		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	7423	End	8374
GI	none	Score	63
Exons	7423..7476, 7807..7911, 7842..7910, 8003..8146, 8006..8191, 8007..8216, 8302..8373, 8303..8374		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850
Name	OJ000350_59.0328.C6.o4.tm	Method	TBLASTX:Maize
Start	11157	End	12358
GI	none	Score	110
Exons	11157..11237, 11158..11238, 11159..11242, 11292..11420, 11304..11411, 11305..11412, 11865..11951, 11880..11987, 11885..12019, 12137..12193, 12138..12194, 12138..12197, 12139..12198, 12262..12342, 12265..12357, 12269..12358		

Seq. No.	43624	Seq. ID	OJ000350_59.0328.C6
Gene No.	91515	Strand	-
Start	11310	End	12850

Name	OJ000350_59.0328.C6.o3.gs	Method	GENSCAN
Start	11310	End	12850
GI	none	Score	.52
Exons	11310..11408, 12268..12357, 12806..12850		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o1.np	Method	AAT/NAP
Start	1	End	1889
GI	4680179	Score	2275
Exons	1..1889		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o3.tw	Method	TBLASTX:Wheat
Start	352	End	667
GI	none	Score	474
Exons	352..660, 353..667		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o2.tm	Method	TBLASTX:Maize
Start	353	End	672
GI	none	Score	436
Exons	353..667, 355..660, 475..672		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o1.gs	Method	GENSCAN
Start	368	End	1708
GI	none	Score	.49
Exons	368..1052, 1458..1708		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o2.tw	Method	TBLASTX:Wheat
Start	695	End	1234
GI	none	Score	615
Exons	695..1234, 865..1230, 884..1234		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o1.tc	Method	TBLASTX:Cress
Start	932	End	1258
GI	none	Score	84
Exons	932..1114, 1115..1258, 1117..1257		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889

Name	OJ000350_41.0314.C1.o1.ts	Method	TBLASTX:Soybean
Start	1022	End	1282
GI	none	Score	292
Exons	1022..1282, 1025..1273, 1027..1281		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o3.tm	Method	TBLASTX:Maize
Start	1080	End	1372
GI	none	Score	88
Exons	1080..1265, 1081..1368, 1082..1372		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o1.tw	Method	TBLASTX:Wheat
Start	1241	End	1858
GI	none	Score	678
Exons	1241..1858, 1243..1746		

Seq. No.	43625	Seq. ID	OJ000350_41.0314.C1
Gene No.	91516	Strand	+
Start	1	End	1889
Name	OJ000350_41.0314.C1.o1.tm	Method	TBLASTX:Maize
Start	1420	End	1889
GI	none	Score	229
Exons	1420..1575, 1421..1582, 1579..1743, 1580..1858, 1725..1814, 1845..1889, 1855..1887		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91517	Strand	+
Start	136	End	7231
Name	OJ000350_41.0314.C2.o1.gs	Method	GENSCAN
Start	136	End	7231
GI	none	Score	.8
Exons	136..291, 426..499, 544..1475, 1548..2392, 2417..3067, 3121..3232, 3267..3430, 3677..4438, 4556..5866, 6002..6536, 6561..6687, 6967..7231		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91517	Strand	+
Start	136	End	7231
Name	OJ000350_41.0314.C2.o1.np	Method	AAT/NAP
Start	1897	End	6805
GI	7228457	Score	3151
Exons	1897..3499, 3554..5200, 5267..6805		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91518	Strand	+
Start	10849	End	11325
Name	OJ000350_41.0314.C2.o4.np	Method	AAT/NAP
Start	10849	End	11325
GI	7523517	Score	199

Exons	10849..11126, 11271..11325		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91519	Strand	+
Start	11335	End	11664
Name	OJ000350_41.0314.C2.o5.np	Method	AAT/NAP
Start	11335	End	11664
GI	6983860	Score	507
Exons	11335..11664		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91520	Strand	+
Start	12377	End	13278
Name	OJ000350_41.0314.C2.o6.np	Method	AAT/NAP
Start	12377	End	13278
GI	5852178	Score	365
Exons	12377..12660, 12689..12810, 13175..13278		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91521	Strand	+
Start	21682	End	25753
Name	OJ000350_41.0314.C2.o8.np	Method	AAT/NAP
Start	21682	End	25689
GI	7520163	Score	343
Exons	21682..21719, 22852..23259, 23397..23514, 25602..25689		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - Anomochloa marantoidea chloroplast (fragment) gi\|726148\|gb\|AAA64196.1\| (U21992) NADH dehydrogenase F [Anomochloa marantoidea]		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91521	Strand	+
Start	21682	End	25753
Name	OJ000350_41.0314.C2.o6.gs	Method	GENSCAN
Start	24975	End	25753
GI	none	Score	.47
Exons	24975..25008, 25506..25753		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91522	Strand	+
Start	30453	End	46541
Name	OJ000350_41.0314.C2.o1.gp	Method	AAT/GAP
Start	30453	End	34257
GI	uC-osflcyp126f01b1	Score	836
Exons	30453..30514, 30911..31002, 32444..32509, 33242..33366, 33972..34046, 34194..34257		
GI Descrip.	'3193304 8.0e-35 (AF069298) contains similarity to RNA recognition motifs (Pfam: rrm.hmm, score; 82.09 and 30.80); similar to alternative splicing factor ASF [Arabidopsis thaliana]'		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91522	Strand	+

Start	30453	End	46541
Name	OJ000350_41.0314.C2.o10.np	Method	AAT/NAP
Start	30916	End	36953
GI	5815237	Score	518
Exons	30916..31002, 32444..32509, 33972..34046, 34194..34325, 34364..34423, 34495..34552, 34717..34765, 34972..35028, 35116..35263, 35625..35668, 36897..36953		
GI Descrip.	(AF173640) splicing factor SR1C [Arabidopsis thaliana]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91522	Strand	+
Start	30453	End	46541
Name	OJ000350_41.0314.C2.o8.gs	Method	GENSCAN
Start	30916	End	46541
GI	none	Score	.49
Exons	30916..31002, 32444..32509, 33972..34046, 34194..34293, 35160..35258, 36160..36191, 36897..36998, 37606..37723, 39103..39273, 39711..39886, 40230..40327, 41079..41244, 43051..43164, 43915..44133, 44229..44393, 44625..44729, 45182..45344, 45571..45694, 46406..46541		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91522	Strand	+
Start	30453	End	46541
Name	OJ000350_41.0314.C2.o2.gp	Method	AAT/GAP
Start	35142	End	37442
GI	none	Score	1024
Exons	35142..35258, 35348..35389, 35638..35679, 36794..36827, 36897..36965, 37057..37442		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91522	Strand	+
Start	30453	End	46541
Name	OJ000350_41.0314.C2.o11.np	Method	AAT/NAP
Start	38991	End	41371
GI	6358813	Score	769
Exons	38991..39201, 39711..39886, 40230..40367, 40609..40738, 40891..41371		
GI Descrip.	(AC010675) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91523	Strand	+
Start	59797	End	68019
Name	OJ000350_41.0314.C2.o5.gp	Method	AAT/GAP
Start	59508	End	59889
GI	uC-osf1cyp033a04b1	Score	659
Exons	59508..59889		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91523	Strand	+
Start	59797	End	68019
Name	OJ000350_41.0314.C2.o10.gs	Method	GENSCAN
Start	59797	End	68019
GI	none	Score	.85
Exons	59797..59841, 61325..61442, 61457..61532, 61608..61747,		

62625..62764, 62881..63019, 63817..63925, 64141..64280, 67250..68019

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91524	Strand	-
Start	7427	End	12792
Name	OJ000350_41.0314.C2.o2.gs	Method	GENSCAN
Start	7427	End	12792
GI	none	Score	.72
Exons	7427..7944, 8043..8160, 8364..8617, 8653..8763, 8932..9071, 9141..9199, 9270..9455, 9523..9647, 9727..9932, 9986..10139, 10300..10552, 10824..11004, 11423..11581, 11583..11659, 12382..12792		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91524	Strand	-
Start	7427	End	12792
Name	OJ000350_41.0314.C2.o2.np	Method	AAT/NAP
Start	8311	End	9910
GI	6721561	Score	963
Exons	8311..9071, 9141..9199, 9270..9460, 9847..9910		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91524	Strand	-
Start	7427	End	12792
Name	OJ000350_41.0314.C2.o3.np	Method	AAT/NAP
Start	8810	End	10399
GI	6721558	Score	243
Exons	8810..8975, 9474..9647, 10300..10399		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91525	Strand	-
Start	14688	End	15370
Name	OJ000350_41.0314.C2.o3.gs	Method	GENSCAN
Start	14688	End	15370
GI	none	Score	.62
Exons	14688..14860, 15037..15370		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91526	Strand	-
Start	16970	End	17491
Name	OJ000350_41.0314.C2.o4.gs	Method	GENSCAN
Start	16970	End	17491
GI	none	Score	.81
Exons	16970..17145, 17434..17491		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91527	Strand	-
Start	18960	End	24416

Name	OJ000350_41.0314.C2.o7.np	Method	AAT/NAP
Start	18960	End	24416
GI	4680199	Score	312
Exons	18960..18984, 20591..20714, 20784..20919, 20995..21342, 24388..24416		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91528	Strand	-
Start	27281	End	28387
Name	OJ000350_41.0314.C2.o9.np	Method	AAT/NAP
Start	27281	End	28387
GI	6735313	Score	638
Exons	27281..27830, 27861..28387		
GI Descrip.	(AL137080) dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91529	Strand	-
Start	41148	End	41666
Name	OJ000350_41.0314.C2.o3.gp	Method	AAT/GAP
Start	41148	End	41666
GI	none	Score	834
Exons	41148..41666		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91530	Strand	-
Start	48331	End	49588
Name	OJ000350_41.0314.C2.o4.gp	Method	AAT/GAP
Start	48331	End	49588
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	48331..48375, 49534..49588		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91531	Strand	-
Start	49927	End	63358
Name	OJ000350_41.0314.C2.o9.gs	Method	GENSCAN
Start	49927	End	59084
GI	none	Score	.55
Exons	49927..50454, 51897..52074, 52080..52445, 52459..52631, 53318..53417, 53565..53736, 57245..57292, 58143..58775, 58997..59084		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91531	Strand	-
Start	49927	End	63358
Name	OJ000350_41.0314.C2.o12.np	Method	AAT/NAP
Start	50071	End	52503
GI	6478926	Score	466
Exons	50071..50454, 51897..52503		
GI Descrip.	(AC011436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91531	Strand	-
Start	49927	End	63358

Name	OJ000350_41.0314.C2.o13.np	Method	AAT/NAP
Start	58175	End	63358
GI	5852180	Score	490
Exons	58175..58589, 58641..58759, 59738..59791, 63265..63358		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o11.gs	Method	GENSCAN
Start	68712	End	71753
GI	none	Score	.53
Exons	68712..68852, 68938..69015, 69030..69257, 69337..69438, 69646..69899, 69963..70286, 70601..70856, 70949..71039, 71323..71753		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o6.gp	Method	AAT/GAP
Start	70270	End	70701
GI	LIB3433-020-P1-K1-A6	Score	715
Exons	70270..70701		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o14.np	Method	AAT/NAP
Start	71047	End	72022
GI	7228438	Score	875
Exons	71047..72022		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o15.np	Method	AAT/NAP
Start	71048	End	72022
GI	7228438	Score	880
Exons	71048..72022		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o16.np	Method	AAT/NAP
Start	71050	End	71642
GI	5441880	Score	678
Exons	71050..71642		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91532	Strand	-
Start	68712	End	72108
Name	OJ000350_41.0314.C2.o17.np	Method	AAT/NAP
Start	71055	End	72108
GI	7228442	Score	968
Exons	71055..72108		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o8.tw	Method	TBLASTX:Wheat
Start	1946	End	2350
GI	none	Score	53
Exons	1946..1990, 2029..2067, 2039..2113, 2078..2350, 2125..2349		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o3.tw	Method	TBLASTX:Wheat
Start	2984	End	3439
GI	none	Score	146
Exons	2984..3166, 2992..3165, 3203..3439, 3205..3321		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o1.tw	Method	TBLASTX:Wheat
Start	3631	End	4087
GI	none	Score	564
Exons	3631..4086, 3632..4087		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o6.ts	Method	TBLASTX:Soybean
Start	3671	End	4036
GI	none	Score	110
Exons	3671..3895, 3902..4036		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o2.tm	Method	TBLASTX:Maize
Start	3761	End	4117
GI	none	Score	427
Exons	3761..4117, 3815..4063, 3823..4116		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o6.tm	Method	TBLASTX:Maize

Start	4145	End	4528
GI	none	Score	305
Exons	4145..4528, 4148..4360, 4180..4527		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o2.tw	Method	TBLASTX:Wheat
Start	4202	End	4626
GI	none	Score	421
Exons	4202..4624, 4207..4626		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o2.ts	Method	TBLASTX:Soybean
Start	4256	End	4681
GI	none	Score	272
Exons	4256..4681, 4282..4440		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o6.tw	Method	TBLASTX:Wheat
Start	4771	End	5179
GI	none	Score	205
Exons	4771..4998, 4772..4996, 5006..5179, 5108..5179		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o4.tm	Method	TBLASTX:Maize
Start	5681	End	5985
GI	none	Score	320
Exons	5681..5977, 5719..5985		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o5.tw	Method	TBLASTX:Wheat
Start	5681	End	6064
GI	none	Score	321
Exons	5681..6064, 5689..6063		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o4.tw	Method	TBLASTX:Wheat
Start	6188	End	6796
GI	none	Score	319
Exons	6188..6640, 6337..6444, 6665..6796		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o7.tw	Method	TBLASTX:Wheat
Start	11332	End	11619

GI	none	Score	302
Exons	11332..11619, 11334..11567		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o7.tm	Method	TBLASTX:Maize
Start	11335	End	11607
GI	none	Score	280
Exons	11335..11607, 11373..11423, 11460..11519		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o5.ts	Method	TBLASTX:Soybean
Start	20782	End	21210
GI	none	Score	67
Exons	20782..20880, 20783..20878, 20992..21210		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o9.tm	Method	TBLASTX:Maize
Start	20803	End	21207
GI	none	Score	83
Exons	20803..20880, 20938..21207, 21005..21199		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o9.tw	Method	TBLASTX:Wheat
Start	20983	End	21360
GI	none	Score	76
Exons	20983..21360, 20983..21207, 21238..21318		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	27285	End	28138
GI	none	Score	77
Exons	27285..27446, 27290..27526, 27527..27637, 27731..27781, 27869..28138, 27939..28118		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	27287	End	28028
GI	none	Score	92
Exons	27287..27394, 27428..27526, 27536..27631, 27719..27781, 27869..28027, 27939..28028		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o1.tm	Method	TBLASTX:Maize

Start	27287	End	28076
GI	none	Score	78
Exons	27287..27526, 27288..27491, 27527..27649, 27731..27781, 27869..28075, 27926..28072, 27939..28076		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o8.tm	Method	TBLASTX:Maize
Start	28091	End	28420
GI	none	Score	202
Exons	28091..28420, 28094..28399		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o10.tm	Method	TBLASTX:Maize
Start	38959	End	39890
GI	none	Score	114
Exons	38959..39108, 38976..39116, 38981..39112, 38991..39125, 38993..39148, 39019..39162, 39710..39805, 39712..39747, 39715..39888, 39787..39885, 39789..39890		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	40256	End	41411
GI	none	Score	97
Exons	40256..40318, 40257..40313, 40320..40367, 40322..40369, 40567..40656, 40608..40658, 40643..40744, 40660..40743, 40877..40939, 40888..40935, 40921..40980, 40921..40974, 40935..40979, 41062..41157, 41076..41132, 41099..41137, 41137..41232, 41142..41231, 41229..41279, 41274..41354, 41285..41356, 41290..41355, 41361..41411		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o4.ts	Method	TBLASTX:Soybean
Start	50053	End	51962
GI	none	Score	69
Exons	50053..50211, 50242..50454, 51894..51962		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o5.tm	Method	TBLASTX:Maize
Start	50281	End	52342
GI	none	Score	208
Exons	50281..50433, 51888..52058, 52073..52342		

Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o3.ts	Method	TBLASTX:Soybean
Start	52169	End	52462

GI	none	Score	212
Exons	52169..52462		
Seq. No.	43626	Seq. ID	OJ000350_41.0314.C2
Gene No.	91533	Strand	-
Start	74091	End	76868
Name	OJ000350_41.0314.C2.o12.gs	Method	GENSCAN
Start	74091	End	76868
GI	none	Score	.74
Exons	74091..74308, 74969..75125, 76770..76868		
Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91534	Strand	+
Start	933	End	2557
Name	OJ000350_41.0314.C3.o1.gs	Method	GENSCAN
Start	933	End	2557
GI	none	Score	.55
Exons	933..1129, 1518..1775, 2485..2557		
Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91534	Strand	+
Start	933	End	2557
Name	OJ000350_41.0314.C3.o1.gp	Method	AAT/GAP
Start	1866	End	1957
GI	5867_1.R1084	Score	129
Exons	1866..1957		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91535	Strand	+
Start	3728	End	4714
Name	OJ000350_41.0314.C3.o3.np	Method	AAT/NAP
Start	3728	End	4714
GI	7487012	Score	699
Exons	3728..4714		
GI Descrip.	hypothetical protein T14P8.22 - Arabidopsis thaliana gi\|3193286\|gb\|AAC19270.1\| (AF069298) T14P8.22 gene product [Arabidopsis thaliana] gi\|7269004\|emb\|CAB80737.1\| (AL161494) putative protein [Arabidopsis thaliana]		
Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	66	End	489
GI	none	Score	64
Exons	66..131, 175..327, 177..326, 369..476, 370..489		
Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789

Name	OJ000350_41.0314.C3.o1.tw	Method	TBLASTX:Wheat
Start	175	End	432
GI	none	Score	216
Exons	175..432, 177..284, 193..315, 342..431		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o4.tm	Method	TBLASTX:Maize
Start	541	End	810
GI	none	Score	202
Exons	541..810		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o2.np	Method	AAT/NAP
Start	1287	End	8789
GI	6721512	Score	107
Exons	1287..1425, 1453..1571, 8768..8789		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o3.tm	Method	TBLASTX:Maize
Start	3737	End	4000
GI	none	Score	116
Exons	3737..3811, 3775..3852, 3923..4000, 3937..3996		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o2.ts	Method	TBLASTX:Soybean
Start	3746	End	4459
GI	none	Score	65
Exons	3746..3811, 3947..4015, 3952..3993, 4331..4459, 4333..4458		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o1.tc	Method	TBLASTX:Cress
Start	4403	End	4717
GI	none	Score	165
Exons	4403..4537, 4405..4509, 4532..4585, 4622..4645, 4642..4716, 4643..4717		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-
Start	1287	End	8789
Name	OJ000350_41.0314.C3.o1.ts	Method	TBLASTX:Soybean
Start	4460	End	4737
GI	none	Score	278
Exons	4460..4717, 4555..4737		

Seq. No.	43627	Seq. ID	OJ000350_41.0314.C3
Gene No.	91536	Strand	-

Start	1287	End	8789
Name	OJ000350_41.0314.C3.o2.tm	Method	TBLASTX:Maize
Start	4592	End	4731
GI	none	Score	230
Exons	4592..4717, 4597..4731		

Seq. No.	43628	Seq. ID	OJ000350_41.0314.C4
Gene No.	91537	Strand	+
Start	1	End	783
Name	OJ000350_41.0314.C4.o1.np	Method	AAT/NAP
Start	1	End	783
GI	2498930	Score	237
Exons	1..56, 412..486, 654..783		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	43628	Seq. ID	OJ000350_41.0314.C4
Gene No.	91537	Strand	+
Start	1	End	783
Name	OJ000350_41.0314.C4.o1.gs	Method	GENSCAN
Start	427	End	699
GI	none	Score	.75
Exons	427..486, 654..699		

Seq. No.	43629	Seq. ID	OJ000350_41.0314.C5
Gene No.	91538	Strand	+
Start	3476	End	3667
Name	OJ000350_41.0314.C5.o2.gp	Method	AAT/GAP
Start	3476	End	3667
GI	2428335	Score	334
Exons	3476..3667		
GI Descrip.	2961355/emb\|CAA18113.1\| 4.0e-21 (AL022140) glucosidase like protein [Arabidopsis thaliana]		

Seq. No.	43629	Seq. ID	OJ000350_41.0314.C5
Gene No.	91539	Strand	-
Start	1	End	390
Name	OJ000350_41.0314.C5.o1.np	Method	AAT/NAP
Start	1	End	390
GI	5902448	Score	405
Exons	1..390		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	43629	Seq. ID	OJ000350_41.0314.C5
Gene No.	91540	Strand	-
Start	1466	End	1774
Name	OJ000350_41.0314.C5.o1.gp	Method	AAT/GAP
Start	1466	End	1774
GI	5816559	Score	499
Exons	1466..1774		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	43629	Seq. ID	OJ000350_41.0314.C5
Gene No.	91541	Strand	-
Start	3428	End	3731

Name	OJ000350_41.0314.C5.o2.np	Method	AAT/NAP
Start	3428	End	3731
GI	4249391	Score	113
Exons	3428..3731		
GI Descrip.	(AC005966) Similar to gi\|3249076 T13D8.16 beta glucosidase from Arabidopsis thaliana BAC gb\|AC004473. [Arabidopsis thaliana]		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.np	Method	AAT/NAP
Start	1	End	1997
GI	6056418	Score	661
Exons	1..178, 398..645, 960..1075, 1271..1529, 1648..1735, 1929..1997		
GI Descrip.	(AC009525) Similar to beta-glucosidases [Arabidopsis thaliana]		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.gp	Method	AAT/GAP
Start	99	End	495
GI	2428335	Score	339
Exons	99..200, 297..325, 425..495		
GI Descrip.	2961355/emb\|CAA18113.1\| 4.0e-21 (AL022140) glucosidase like protein [Arabidopsis thaliana]		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.gs	Method	GENSCAN
Start	246	End	1735
GI	none	Score	.81
Exons	246..325, 425..645, 960..1075, 1271..1558, 1665..1735		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	498	End	1724
GI	none	Score	74
Exons	498..641, 505..642, 953..1057, 1283..1360, 1295..1360, 1391..1528, 1404..1529, 1647..1724		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	1271	End	1995
GI	none	Score	73
Exons	1271..1369, 1373..1528, 1379..1528, 1380..1532, 1647..1736, 1654..1704, 1927..1995		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.tc	Method	TBLASTX:Cress
Start	1307	End	1995

GI	none	Score	37
Exons	1307..1372, 1326..1373, 1379..1408, 1415..1525, 1416..1526, 1636..1710, 1647..1742, 1647..1736, 1927..1995		

Seq. No.	43630	Seq. ID	OJ000350_41.0314.C6
Gene No.	91542	Strand	-
Start	1	End	1997
Name	OJ000350_41.0314.C6.o1.ts	Method	TBLASTX:Soybean
Start	1337	End	1996
GI	none	Score	147
Exons	1337..1525, 1341..1526, 1647..1736, 1660..1704, 1662..1736, 1927..1995, 1928..1996		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91543	Strand	+
Start	9534	End	10041
Name	OJ000350_41.0314.C7.o3.np	Method	AAT/NAP
Start	9534	End	10041
GI	4006888	Score	325
Exons	9534..10041		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana] gi\|7270632\|emb\|CAB80349.1\| (AL161590) putative protein [Arabidopsis thaliana]		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91544	Strand	+
Start	13188	End	17095
Name	OJ000350_41.0314.C7.o3.gs	Method	GENSCAN
Start	13188	End	16803
GI	none	Score	.52
Exons	13188..13333, 13487..13662, 14067..15428, 15594..15793, 16000..16803		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91544	Strand	+
Start	13188	End	17095
Name	OJ000350_41.0314.C7.o4.np	Method	AAT/NAP
Start	14174	End	17095
GI	5702196	Score	2557
Exons	14174..17095		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91545	Strand	-
Start	1	End	1057
Name	OJ000350_41.0314.C7.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	7362755	Score	142
Exons	1..114, 561..629, 899..1024		
GI Descrip.	(AL162651) beta-glucosidase-like protein [Arabidopsis thaliana]		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91545	Strand	-
Start	1	End	1057
Name	OJ000350_41.0314.C7.o1.gs	Method	GENSCAN
Start	275	End	1057
GI	none	Score	.48

Exons	275..346, 899..1057		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91546	Strand	-
Start	6078	End	9322
Name	OJ000350_41.0314.C7.o7.tm	Method	TBLASTX:Maize
Start	5977	End	7101
GI	none	Score	54
Exons	5977..6072, 6055..6120, 6056..6103, 6151..6267, 6193..6258, 6387..6554, 6394..6546, 6724..6840, 6953..7078, 6955..7098, 6971..7099, 6979..7101		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91546	Strand	-
Start	6078	End	9322
Name	OJ000350_41.0314.C7.o2.np	Method	AAT/NAP
Start	6078	End	9322
GI	4914329	Score	1334
Exons	6078..8650, 9186..9322		
GI Descrip.	(AC005489) F14N23.15 [Arabidopsis thaliana]		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91546	Strand	-
Start	6078	End	9322
Name	OJ000350_41.0314.C7.o1.ts	Method	TBLASTX:Soybean
Start	7363	End	7763
GI	none	Score	54
Exons	7363..7497, 7432..7485, 7507..7761, 7531..7761, 7647..7763		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91546	Strand	-
Start	6078	End	9322
Name	OJ000350_41.0314.C7.o1.tc	Method	TBLASTX:Cress
Start	7939	End	8233
GI	none	Score	86
Exons	7939..8232, 7952..8233		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91547	Strand	
Start	9576	End	9980
Name	OJ000350_41.0314.C7.o3.ts	Method	TBLASTX:Soybean
Start	9576	End	9980
GI	none	Score	98
Exons	9576..9662, 9577..9687, 9735..9776, 9839..9979, 9840..9980		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91547	Strand	
Start	9576	End	9980
Name	OJ000350_41.0314.C7.o2.tc	Method	TBLASTX:Cress
Start	9577	End	9908
GI	none	Score	90
Exons	9577..9687, 9722..9907, 9735..9908		
Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91547	Strand	
Start	9576	End	9980
Name	OJ000350_41.0314.C7.o4.tm	Method	TBLASTX:Maize

Start	9603	End	9908
GI	none	Score	102
Exons	9603..9686, 9604..9687, 9720..9812, 9725..9847, 9725..9907, 9735..9908		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91548	Strand	
Start	14168	End	14668
Name	OJ000350_41.0314.C7.o3.tm	Method	TBLASTX:Maize
Start	14168	End	14668
GI	none	Score	314
Exons	14168..14518, 14168..14518, 14461..14667, 14462..14668		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91549	Strand	
Start	14687	End	14970
Name	OJ000350_41.0314.C7.o5.tm	Method	TBLASTX:Maize
Start	14687	End	14970
GI	none	Score	72
Exons	14687..14809, 14738..14809, 14826..14966, 14827..14967, 14827..14970, 14828..14968		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91550	Strand	
Start	15221	End	16937
Name	OJ000350_41.0314.C7.o2.tm	Method	TBLASTX:Maize
Start	15221	End	15577
GI	none	Score	204
Exons	15221..15442, 15221..15286, 15222..15434, 15226..15435, 15440..15577, 15441..15557, 15442..15558		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91550	Strand	
Start	15221	End	16937
Name	OJ000350_41.0314.C7.o2.ts	Method	TBLASTX:Soybean
Start	15338	End	16452
GI	none	Score	57
Exons	15338..15463, 15448..15684, 15449..15685, 15698..15829, 15718..15747, 16219..16452, 16251..16418		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91550	Strand	
Start	15221	End	16937
Name	OJ000350_41.0314.C7.o6.tm	Method	TBLASTX:Maize
Start	15640	End	15905
GI	none	Score	52
Exons	15640..15684, 15641..15691, 15716..15898, 15716..15904, 15723..15905		

Seq. No.	43631	Seq. ID	OJ000350_41.0314.C7
Gene No.	91550	Strand	
Start	15221	End	16937
Name	OJ000350_41.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	16255	End	16937
GI	none	Score	562
Exons	16255..16797, 16256..16648, 16260..16745, 16270..16782, 16819..16917, 16899..16937, 16905..16937		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91551	Strand	+
Start	1	End	2764
Name	OJ000350_41.0314.C8.o1.np	Method	AAT/NAP
Start	1	End	819
GI	5702196	Score	587
Exons	1..658, 722..819		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91551	Strand	+
Start	1	End	2764
Name	OJ000350_41.0314.C8.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	LIB3433-021-P1-K1-D2	Score	469
Exons	1..249		
GI Descrip.	'5702196/gb\|AAD47197.1\|AF107293_1 5.0e-23 (AF107293) rust resistance protein [Zea mays]'		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91551	Strand	+
Start	1	End	2764
Name	OJ000350_41.0314.C8.o2.np	Method	AAT/NAP
Start	604	End	1751
GI	7340924	Score	77
Exons	604..691, 1597..1751		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91551	Strand	+
Start	1	End	2764
Name	OJ000350_41.0314.C8.o1.gs	Method	GENSCAN
Start	805	End	2764
GI	none	Score	.46
Exons	805..839, 960..1034, 1580..1695, 1890..1939, 2642..2764		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91552	Strand	-
Start	3811	End	5875
Name	OJ000350_41.0314.C8.o1.tm	Method	TBLASTX:Maize
Start	11	End	424
GI	none	Score	74
Exons	11..94, 101..370, 115..348, 347..424, 349..423		

Seq. No.	43632	Seq. ID	OJ000350_41.0314.C8
Gene No.	91552	Strand	-
Start	3811	End	5875
Name	OJ000350_41.0314.C8.o2.gs	Method	GENSCAN
Start	3811	End	5875
GI	none	Score	.96
Exons	3811..4161, 4752..5236, 5813..5875		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91553	Strand	+
Start	369	End	738
Name	OJ000350_43.0317.C4.o1.gs	Method	GENSCAN

Start	369	End	738
GI	none	Score	.97
Exons	369..738		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91554	Strand	+
Start	1292	End	3290
Name	OJ000350_43.0317.C4.o1.gp	Method	AAT/GAP
Start	1292	End	3290
GI	754_1.R1084	Score	1132
Exons	1292..1484, 1997..2139, 2996..3290		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91554	Strand	+
Start	1292	End	3290
Name	OJ000350_43.0317.C4.o1.np	Method	AAT/NAP
Start	1380	End	3041
GI	7443827	Score	423
Exons	1380..1484, 1997..2139, 2996..3041		
GI Descrip.	probable chaperonin 10 - rice gi\|2267597\|gb\|AAB63591.1\| (AF009413) 10 kDa chaperonin [Oryza sativa]		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91555	Strand	+
Start	5666	End	7417
Name	OJ000350_43.0317.C4.o3.gs	Method	GENSCAN
Start	5666	End	7417
GI	none	Score	.77
Exons	5666..5684, 6709..6809, 6858..7013, 7175..7417		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91556	Strand	-
Start	1280	End	3017
Name	OJ000350_43.0317.C4.o2.gs	Method	GENSCAN
Start	1280	End	3017
GI	none	Score	.46
Exons	1280..1787, 2679..2833, 2961..3017		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91557	Strand	-
Start	3790	End	7254
Name	OJ000350_43.0317.C4.o2.gp	Method	AAT/GAP
Start	3790	End	7254
GI	none	Score	1334
Exons	3790..4133, 4221..4280, 4744..4784, 5947..5980, 6061..6111, 7052..7254		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91558	Strand	-
Start	8463	End	8741
Name	OJ000350_43.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	1391	End	3136
GI	none	Score	142
Exons	1391..1486, 1395..1490, 1987..2142, 1994..2146, 1996..2142, 2988..3074, 2989..3084, 2993..3136, 2995..3072, 2996..3088		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91558	Strand	-
Start	8463	End	8741
Name	OJ000350_43.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	1395	End	2146
GI	none	Score	94
Exons	1395..1490, 1994..2146, 1996..2124		

Seq. No.	43633	Seq. ID	OJ000350_43.0317.C4
Gene No.	91558	Strand	-
Start	8463	End	8741
Name	OJ000350_43.0317.C4.o4.gs	Method	GENSCAN
Start	8463	End	8741
GI	none	Score	.69
Exons	8463..8741		

Seq. No.	43634	Seq. ID	OJ000350_43.0317.C5
Gene No.	91559	Strand	+
Start	299	End	592
Name	OJ000350_43.0317.C5.o1.gs	Method	GENSCAN
Start	299	End	592
GI	none	Score	.63
Exons	299..369, 503..592		

Seq. No.	43634	Seq. ID	OJ000350_43.0317.C5
Gene No.	91560	Strand	-
Start	1953	End	5946
Name	OJ000350_43.0317.C5.o2.gs	Method	GENSCAN
Start	1953	End	5942
GI	none	Score	.42
Exons	1953..2140, 2385..2534, 2732..2959, 5823..5942		

Seq. No.	43634	Seq. ID	OJ000350_43.0317.C5
Gene No.	91560	Strand	-
Start	1953	End	5946
Name	OJ000350_43.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	3636	End	5946
GI	none	Score	153
Exons	3636..3755, 3637..3756, 3639..3755, 4881..5009, 4881..5003, 4901..5008, 4903..5010, 4904..5026, 5151..5270, 5166..5270, 5167..5283, 5357..5422, 5370..5423, 5371..5430, 5640..5738, 5645..5785, 5671..5751, 5821..5946, 5822..5935, 5823..5942, 5824..5943		

Seq. No.	43634	Seq. ID	OJ000350_43.0317.C5
Gene No.	91560	Strand	-
Start	1953	End	5946
Name	OJ000350_43.0317.C5.o1.np	Method	AAT/NAP
Start	4901	End	5932
GI	7460191	Score	195
Exons	4901..4972, 5154..5266, 5823..5932		
GI Descrip.	hypothetical protein F12C20.15 - Arabidopsis thaliana gi\|3426045\|gb\|AAC32244.1\| (AC005168) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43634	Seq. ID	OJ000350_43.0317.C5
Gene No.	91560	Strand	-

Start	1953	End	5946
Name	OJ000350_43.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	5645	End	5946
GI	none	Score	135
Exons	5645..5740, 5821..5946		

Seq. No.	43635	Seq. ID	OJ000350_43.0317.C6
Gene No.	91561	Strand	-
Start	3475	End	4187
Name	OJ000350_43.0317.C6.o1.gp	Method	AAT/GAP
Start	3475	End	4187
GI	none	Score	837
Exons	3475..3709, 3806..3880, 3964..4043, 4111..4187		

Seq. No.	43636	Seq. ID	OJ000350_43.0317.C7
Gene No.	91562	Strand	-
Start	206	End	963
Name	OJ000350_43.0317.C7.o1.gs	Method	GENSCAN
Start	206	End	963
GI	none	Score	.77
Exons	206..276, 595..731, 861..963		

Seq. No.	43636	Seq. ID	OJ000350_43.0317.C7
Gene No.	91563	Strand	
Start	1116	End	1561
Name	OJ000350_43.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	1116	End	1561
GI	none	Score	66
Exons	1116..1310, 1166..1321, 1418..1561		

Seq. No.	43637	Seq. ID	OJ000350_43.0317.C18
Gene No.	91564	Strand	+
Start	303	End	1271
Name	OJ000350_43.0317.C18.o1.gs	Method	GENSCAN
Start	303	End	1271
GI	none	Score	.62
Exons	303..373, 455..609, 692..1271		

Seq. No.	43637	Seq. ID	OJ000350_43.0317.C18
Gene No.	91564	Strand	+
Start	303	End	1271
Name	OJ000350_43.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	476	End	938
GI	none	Score	81
Exons	476..619, 511..618, 651..809, 689..808, 822..938		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91565	Strand	+
Start	680	End	1125
Name	OJ000350_43.0317.C19.o1.gs	Method	GENSCAN
Start	680	End	1125
GI	none	Score	.42
Exons	680..877, 907..1125		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91566	Strand	+
Start	1672	End	2095

Name	OJ000350_43.0317.C19.o1.gp	Method	AAT/GAP
Start	1672	End	2095
GI	56595_1.R1084	Score	832
Exons	1672..2095		
GI Descrip.	'4314378/gb\|AAD15588\| 2.0e-21 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91567	Strand	+
Start	4411	End	7488
Name	OJ000350_43.0317.C19.o2.np	Method	AAT/NAP
Start	4411	End	7078
GI	7304929	Score	403
Exons	4411..4452, 5327..5424, 6184..6283, 6456..6638, 6962..7078		
GI Descrip.	similar to yeast BET3 (S. cerevisiae) gi\|2791806\|gb\|AAB96937.1\| (AF041433) bet3 [Mus musculus]		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91567	Strand	+
Start	4411	End	7488
Name	OJ000350_43.0317.C19.o3.gs	Method	GENSCAN
Start	4877	End	7084
GI	none	Score	.85
Exons	4877..4973, 5006..5028, 5049..5231, 5327..5424, 6184..6283, 6456..6638, 6962..7084		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91567	Strand	+
Start	4411	End	7488
Name	OJ000350_43.0317.C19.o3.gp	Method	AAT/GAP
Start	5050	End	7488
GI	11881_1.R1084	Score	1466
Exons	5050..5231, 5327..5424, 6184..6283, 6456..6638, 6962..7252, 7423..7488		
GI Descrip.	'2791806 2.0e-51 (AF041433) bet3 [Mus musculus]'		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o1.np	Method	AAT/NAP
Start	1748	End	4982
GI	7523487	Score	591
Exons	1748..2397, 3355..3527, 3678..3838, 4873..4982		
GI Descrip.	(AP001633) EST AU075835(R3655) corresponds to a region of the predicted gene.~Similar to Arabidopsis thaliana lipase mRNA (U38916) [Oryza sativa]		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o1.tc	Method	TBLASTX:Cress
Start	1748	End	3841
GI	none	Score	80
Exons	1748..1954, 1928..2044, 2105..2392, 3527..3574, 3680..3751, 3681..3761, 3779..3841, 3780..3827		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o1.tw	Method	TBLASTX:Wheat
Start	1752	End	2044
GI	none	Score	128
Exons	1752..1940, 1763..1939, 1934..2044		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o2.ts	Method	TBLASTX:Soybean
Start	1754	End	2044
GI	none	Score	84
Exons	1754..1960, 1773..1955, 1928..2044		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o1.tm	Method	TBLASTX:Maize
Start	1758	End	3857
GI	none	Score	137
Exons	1758..2042, 1760..2044, 2105..2389, 3449..3574, 3465..3575, 3674..3856, 3681..3761, 3795..3857		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o3.ts	Method	TBLASTX:Soybean
Start	3362	End	3844
GI	none	Score	46
Exons	3362..3526, 3390..3509, 3527..3574, 3540..3566, 3671..3751, 3684..3752, 3750..3827, 3764..3844		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91568	Strand	-
Start	1748	End	4982
Name	OJ000350_43.0317.C19.o2.gp	Method	AAT/GAP
Start	3402	End	3995
GI	53758_1.R1084	Score	856
Exons	3402..3576, 3679..3995		
GI Descrip.	'4314378/gb\|AAD15588\| 9.0e-13 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91569	Strand	
Start	5177	End	7090
Name	OJ000350_43.0317.C19.o1.ts	Method	TBLASTX:Soybean
Start	5177	End	7085
GI	none	Score	41
Exons	5177..5230, 5178..5213, 5327..5425, 5327..5386, 6178..6285, 6181..6285, 6183..6320, 6185..6286, 6447..6665, 6455..6640, 6962..7072, 6968..7084, 6987..7085		

Seq. No.	43638	Seq. ID	OJ000350_43.0317.C19
Gene No.	91569	Strand	

Start	5177	End	7090
Name	OJ000350_43.0317.C19.o2.tm	Method	TBLASTX:Maize
Start	5189	End	7090
GI	none	Score	42
Exons	5189..5230, 5190..5213, 5309..5470, 5327..5386, 6181..6285, 6185..6286, 6447..6665, 6455..6640, 6960..7088, 6962..7072, 6962..7090, 6966..7082		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91570	Strand	+
Start	1	End	3510
Name	OJ000350_43.0317.C20.o1.np	Method	AAT/NAP
Start	1	End	3504
GI	1655930	Score	981
Exons	1..99, 741..1257, 1438..1750, 2705..3504		
GI Descrip.	(U66564) RUSH-1alpha [Oryctolagus cuniculus]		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91570	Strand	+
Start	1	End	3510
Name	OJ000350_43.0317.C20.o1.gs	Method	GENSCAN
Start	46	End	3510
GI	none	Score	.71
Exons	46..1257, 1438..1750, 2699..3510		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91571	Strand	-
Start	4396	End	4617
Name	OJ000350_43.0317.C20.o2.gs	Method	GENSCAN
Start	4396	End	4617
GI	none	Score	.47
Exons	4396..4617		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o1.ts	Method	TBLASTX:Soybean
Start	643	End	3420
GI	none	Score	67
Exons	643..699, 973..1212, 3034..3213, 3199..3420, 3219..3329		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o1.tc	Method	TBLASTX:Cress
Start	787	End	1116
GI	none	Score	154
Exons	787..891, 790..891, 807..926, 888..1115, 889..1116		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o4.tm	Method	TBLASTX:Maize
Start	883	End	1221
GI	none	Score	56
Exons	883..978, 997..1221		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o2.tm	Method	TBLASTX:Maize
Start	1489	End	2849
GI	none	Score	353
Exons	1489..1734, 1508..1729, 1587..1754, 2689..2847, 2694..2849, 2698..2847		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o3.tm	Method	TBLASTX:Maize
Start	2850	End	3119
GI	none	Score	71
Exons	2850..2924, 2850..2963, 2851..2964, 2852..2962, 2899..2964, 2938..3117, 2956..3111, 2961..3119		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o1.tm	Method	TBLASTX:Maize
Start	3186	End	3504
GI	none	Score	409
Exons	3186..3332, 3187..3459, 3403..3504, 3439..3501		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o2.tc	Method	TBLASTX:Cress
Start	3199	End	3495
GI	none	Score	259
Exons	3199..3495, 3213..3335		

Seq. No.	43639	Seq. ID	OJ000350_43.0317.C20
Gene No.	91572	Strand	-
Start	6014	End	6579
Name	OJ000350_43.0317.C20.o2.np	Method	AAT/NAP
Start	6014	End	6579
GI	6069654	Score	371
Exons	6014..6232, 6267..6579		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	43640	Seq. ID	OJ000350_43.0317.C21
Gene No.	91573	Strand	+
Start	2396	End	2822
Name	OJ000350_43.0317.C21.o1.gp	Method	AAT/GAP
Start	2396	End	2822
GI	4878407	Score	688
Exons	2396..2822		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	43640	Seq. ID	OJ000350_43.0317.C21
Gene No.	91574	Strand	-
Start	1	End	1071
Name	OJ000350_43.0317.C21.o1.np	Method	AAT/NAP

Start	1	End	1071
GI	6907086	Score	473
Exons	1..50, 90..267, 319..1071		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43640	Seq. ID	OJ000350_43.0317.C21
Gene No.	91575	Strand	-
Start	1473	End	4362
Name	OJ000350_43.0317.C21.o2.gs	Method	GENSCAN
Start	1473	End	4362
GI	none	Score	.49
Exons	1473..1597, 1805..2010, 2186..2219, 2525..2628, 2933..3135, 4189..4362		

Seq. No.	43640	Seq. ID	OJ000350_43.0317.C21
Gene No.	91575	Strand	-
Start	1473	End	4362
Name	OJ000350_43.0317.C21.o2.np	Method	AAT/NAP
Start	1563	End	3123
GI	4680186	Score	180
Exons	1563..1617, 2247..2380, 2962..3123		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43641	Seq. ID	OJ000350_43.0317.C22
Gene No.	91576	Strand	-
Start	996	End	1151
Name	OJ000350_43.0317.C22.o1.gs	Method	GENSCAN
Start	996	End	1151
GI	none	Score	.61
Exons	996..1151		

Seq. No.	43642	Seq. ID	OJ000350_43.0317.C23
Gene No.	91577	Strand	-
Start	2902	End	4105
Name	OJ000350_43.0317.C23.o1.gp	Method	AAT/GAP
Start	2571	End	3384
GI	33640_1.R1084	Score	1073
Exons	2571..3032, 3236..3384		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43642	Seq. ID	OJ000350_43.0317.C23
Gene No.	91577	Strand	-
Start	2902	End	4105
Name	OJ000350_43.0317.C23.o2.gs	Method	GENSCAN
Start	2902	End	4105
GI	none	Score	.87
Exons	2902..3032, 3236..3377, 3469..3776, 3873..3918, 3956..4105		

Seq. No.	43642	Seq. ID	OJ000350_43.0317.C23
Gene No.	91577	Strand	-
Start	2902	End	4105
Name	OJ000350_43.0317.C23.o1.tm	Method	TBLASTX:Maize
Start	3234	End	3720
GI	none	Score	40
Exons	3234..3296, 3309..3395, 3439..3519, 3447..3524, 3458..3523, 3499..3624, 3500..3625, 3519..3674, 3646..3720, 3652..3702		

Seq. No.	43643	Seq. ID	OJ000350_43.0317.C24
Gene No.	91578	Strand	-
Start	24	End	671
Name	OJ000350_43.0317.C24.o1.gs	Method	GENSCAN
Start	24	End	671
GI	none	Score	.98
Exons	24..44, 130..198, 273..671		

Seq. No.	43643	Seq. ID	OJ000350_43.0317.C24
Gene No.	91579	Strand	-
Start	647	End	978
Name	OJ000350_43.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	303	End	684
GI	none	Score	77
Exons	303..335, 316..420, 351..416,	504..683,	505..684

Seq. No.	43643	Seq. ID	OJ000350_43.0317.C24
Gene No.	91579	Strand	-
Start	647	End	978
Name	OJ000350_43.0317.C24.o1.gp	Method	AAT/GAP
Start	647	End	978
GI	13626_1.R1084	Score	616
Exons	647..978		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43644	Seq. ID	OJ000350_43.0317.C25
Gene No.	91580	Strand	-
Start	481	End	787
Name	OJ000350_43.0317.C25.o1.gp	Method	AAT/GAP
Start	481	End	787
GI	none	Score	589
Exons	481..787		

Seq. No.	43645	Seq. ID	OJ000350_43.0317.C26
Gene No.	91581	Strand	-
Start	1	End	849
Name	OJ000350_43.0317.C26.o1.np	Method	AAT/NAP
Start	1	End	849
GI	6006359	Score	68
Exons	1..60, 665..849		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	43646	Seq. ID	OJ000350_43.0317.C27
Gene No.	91582	Strand	-
Start	382	End	524
Name	OJ000350_43.0317.C27.o1.gs	Method	GENSCAN
Start	382	End	524
GI	none	Score	.65
Exons	382..524		

Seq. No.	43647	Seq. ID	OJ000350_43.0317.C28
Gene No.	91583	Strand	+
Start	76	End	324
Name	OJ000350_43.0317.C28.o1.gp	Method	AAT/GAP
Start	76	End	324

GI	4107143	Score	328
Exons	76..324		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	43647	Seq. ID	OJ000350_43.0317.C28
Gene No.	91584	Strand	-
Start	340	End	4488
Name	OJ000350_43.0317.C28.o1.gs	Method	GENSCAN
Start	340	End	4391
GI	none	Score	.64
Exons	340..417, 2054..2229, 3402..3532, 4318..4391		

Seq. No.	43647	Seq. ID	OJ000350_43.0317.C28
Gene No.	91584	Strand	-
Start	340	End	4488
Name	OJ000350_43.0317.C28.o2.np	Method	AAT/NAP
Start	1858	End	4488
GI	1076802	Score	127
Exons	1858..1903, 2018..2250, 4176..4488		
GI Descrip.	extensin-like protein - maize gi\|600118\|emb\|CAA84230\| (Z34465) extensin-like protein [Zea mays] gi\|1096557\|prf\|\|2111476A extensin-like domain [Zea mays]		

Seq. No.	43647	Seq. ID	OJ000350_43.0317.C28
Gene No.	91584	Strand	-
Start	340	End	4488
Name	OJ000350_43.0317.C28.o1.np	Method	AAT/NAP
Start	3417	End	3575
GI	7340920	Score	173
Exons	3417..3575		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43648	Seq. ID	OJ000350_43.0317.C29
Gene No.	91585	Strand	+
Start	791	End	891
Name	OJ000350_43.0317.C29.o1.gs	Method	GENSCAN
Start	791	End	891
GI	none	Score	.68
Exons	791..891		

Seq. No.	43649	Seq. ID	OJ000350_43.0317.C30
Gene No.	91586	Strand	+
Start	431	End	6247
Name	OJ000350_43.0317.C30.o1.gs	Method	GENSCAN
Start	431	End	6053
GI	none	Score	.71
Exons	431..764, 894..1016, 2297..2523, 2657..2785, 3002..3094, 3620..3760, 4060..4128, 4246..4329, 4823..5210, 5634..5768, 5904..6053		

Seq. No.	43649	Seq. ID	OJ000350_43.0317.C30
Gene No.	91586	Strand	+
Start	431	End	6247
Name	OJ000350_43.0317.C30.o1.np	Method	AAT/NAP
Start	2236	End	6101
GI	2760844	Score	917

Exons	2236..2523, 2657..2785, 3002..3094, 3620..3760, 4060..4128, 4246..4329, 4823..5003, 5094..5210, 5284..5342, 5634..5768, 5904..6101		
GI Descrip.	(AC003105) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43649	Seq. ID	OJ000350_43.0317.C30
Gene No.	91586	Strand	+
Start	431	End	6247
Name	OJ000350_43.0317.C30.o1.tm	Method	TBLASTX:Maize
Start	2246	End	2795
GI	none	Score	146
Exons	2246..2452, 2251..2523, 2260..2526, 2262..2525, 2642..2788, 2646..2786, 2652..2795, 2656..2787		

Seq. No.	43649	Seq. ID	OJ000350_43.0317.C30
Gene No.	91586	Strand	+
Start	431	End	6247
Name	OJ000350_43.0317.C30.o1.ts	Method	TBLASTX:Soybean
Start	2317	End	6028
GI	none	Score	164
Exons	2317..2523, 2645..2788, 2659..2796, 3002..3091, 3610..3810, 3617..3760, 4060..4131, 4249..4332, 4919..5020, 4957..5016, 5092..5208, 5093..5209, 5282..5350, 5283..5351, 5628..5771, 5633..5770, 5642..5773, 5895..6026, 5903..6028		

Seq. No.	43649	Seq. ID	OJ000350_43.0317.C30
Gene No.	91586	Strand	+
Start	431	End	6247
Name	OJ000350_43.0317.C30.o2.tm	Method	TBLASTX:Maize
Start	4951	End	6247
GI	none	Score	42
Exons	4951..4983, 4952..4978, 5086..5196, 5091..5195, 5092..5208, 5093..5209, 5282..5350, 5286..5351, 5628..5771, 5631..5768, 5633..5773, 5635..5772, 5879..5929, 5882..5929, 5895..5960, 5934..6056, 5940..6053, 5942..6058, 6166..6246, 6197..6247		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91587	Strand	+
Start	6057	End	7082
Name	OJ000350_43.0317.C31.o2.np	Method	AAT/NAP
Start	6039	End	7064
GI	6729022	Score	358
Exons	6039..6616, 6644..7064		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91587	Strand	+
Start	6057	End	7082
Name	OJ000350_43.0317.C31.o2.gs	Method	GENSCAN
Start	6057	End	7082
GI	none	Score	.99
Exons	6057..7082		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91588	Strand	-
Start	1611	End	4545
Name	OJ000350_43.0317.C31.o1.gs	Method	GENSCAN

Start	1611	End	4545
GI	none	Score	.71
Exons	1611..1895, 2361..2512, 2759..2884, 3720..3863, 4431..4545		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91588	Strand	-
Start	1611	End	4545
Name	OJ000350_43.0317.C31.o1.np	Method	AAT/NAP
Start	1776	End	3849
GI	6967707	Score	293
Exons	1776..1895, 2361..2512, 2759..2884, 3720..3849		
GI Descrip.	(AL139074) putative acetyltransferase [Campylobacter jejuni]		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o2.tm	Method	TBLASTX:Maize
Start	1599	End	4613
GI	none	Score	275
Exons	1599..1901, 1602..1895, 1603..1896, 1787..1903, 2337..2513, 2358..2513, 2359..2514, 2754..2885, 2755..2886, 2757..2885, 2770..2886, 3712..3858, 3718..3864, 3719..3865, 4421..4528, 4432..4527, 4438..4539, 4461..4556, 4494..4556, 4502..4594, 4548..4613		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o1.ts	Method	TBLASTX:Soybean
Start	1620	End	4539
GI	none	Score	119
Exons	1620..1895, 1623..1745, 1687..1896, 1810..1896, 2358..2513, 2359..2514, 2359..2514, 2757..2885, 2758..2886, 2758..2886, 3706..3858, 3718..3858, 3719..3859, 4421..4528, 4432..4527, 4438..4539		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o1.tc	Method	TBLASTX:Cress
Start	1641	End	3886
GI	none	Score	66
Exons	1641..1742, 1641..1895, 1801..1896, 2358..2513, 2359..2514, 2359..2526, 2360..2515, 2739..2882, 2755..2898, 2757..2885, 3718..3885, 3719..3886		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o1.tw	Method	TBLASTX:Wheat
Start	1665	End	2517
GI	none	Score	96
Exons	1665..1889, 1801..1890, 2350..2514, 2358..2513, 2359..2517, 2361..2516		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-

Start	9402	End	10439
Name	OJ000350_43.0317.C31.o2.tw	Method	TBLASTX:Wheat
Start	2844	End	4610
GI	none	Score	63
Exons	2844..2885, 2845..2886, 2846..2887, 3712..3864, 3718..3864, 3719..3880, 4421..4528, 4432..4527, 4444..4536, 4500..4550, 4502..4549, 4566..4610		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o1.tm	Method	TBLASTX:Maize
Start	6201	End	10298
GI	none	Score	100
Exons	6201..6269, 6203..6268, 6363..6434, 6438..6494, 6545..6607, 6546..6608, 6593..6691, 6648..6692, 9753..9935, 9754..9921, 9978..10172, 10021..10128, 10197..10298, 10198..10293		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o3.tw	Method	TBLASTX:Wheat
Start	6288	End	10184
GI	none	Score	41
Exons	6288..6434, 6438..6494, 9981..10184, 10021..10074		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o2.tc	Method	TBLASTX:Cress
Start	6345	End	10172
GI	none	Score	81
Exons	6345..6434, 6438..6494, 6551..6598, 6552..6605, 6759..6812, 9672..9719, 9753..9818, 9847..9924, 9864..9923, 9978..10172, 10021..10110		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o2.ts	Method	TBLASTX:Soybean
Start	6345	End	10157
GI	none	Score	79
Exons	6345..6428, 6438..6494, 6552..6605, 6759..6827, 6861..7004, 9420..9623, 9651..9719, 9753..9830, 9847..9915, 9858..9917, 9981..10157, 10021..10110		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o3.tm	Method	TBLASTX:Maize
Start	6788	End	9689
GI	none	Score	61
Exons	6788..6811, 6789..6821, 6834..7061, 6863..7051, 9423..9668, 9433..9669, 9657..9689		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-

Start	9402	End	10439
Name	OJ000350_43.0317.C31.o3.gs	Method	GENSCAN
Start	9402	End	10439
GI	none	Score	.99
Exons	9402..10439		

Seq. No.	43650	Seq. ID	OJ000350_43.0317.C31
Gene No.	91589	Strand	-
Start	9402	End	10439
Name	OJ000350_43.0317.C31.o3.np	Method	AAT/NAP
Start	9417	End	10384
GI	5487873	Score	427
Exons	9417..10384		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91590	Strand	+
Start	1230	End	2156
Name	OJ000350_43.0317.C32.o1.gs	Method	GENSCAN
Start	1230	End	2156
GI	none	Score	.65
Exons	1230..1348, 1520..1615, 2047..2156		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91591	Strand	-
Start	2852	End	3919
Name	OJ000350_43.0317.C32.o2.gs	Method	GENSCAN
Start	2852	End	3919
GI	none	Score	.9
Exons	2852..3919		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91591	Strand	-
Start	2852	End	3919
Name	OJ000350_43.0317.C32.o1.np	Method	AAT/NAP
Start	2873	End	3898
GI	6729022	Score	454
Exons	2873..3898		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o2.tm	Method	TBLASTX:Maize
Start	2870	End	5652
GI	none	Score	231
Exons	2870..3139, 2871..3140, 5437..5583, 5439..5612, 5610..5651, 5629..5652		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o1.ts	Method	TBLASTX:Soybean
Start	2873	End	5585
GI	none	Score	74
Exons	2873..3079, 3101..3187, 3102..3188, 3200..3304, 3273..3365, 3308..3367, 3434..3604, 5442..5585		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o1.tc	Method	TBLASTX:Cress
Start	3116	End	3604
GI	none	Score	69
Exons	3116..3187, 3117..3188, 3200..3304, 3314..3373, 3434..3604		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o1.tm	Method	TBLASTX:Maize
Start	3200	End	3874
GI	none	Score	124
Exons	3200..3379, 3243..3437, 3416..3604, 3567..3602, 3660..3755, 3662..3739, 3725..3874, 3726..3857		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o1.tw	Method	TBLASTX:Wheat
Start	3543	End	3874
GI	none	Score	64
Exons	3543..3602, 3551..3604, 3654..3857, 3662..3874, 3833..3871		

Seq. No.	43651	Seq. ID	OJ000350_43.0317.C32
Gene No.	91592	Strand	-
Start	5352	End	5652
Name	OJ000350_43.0317.C32.o3.gs	Method	GENSCAN
Start	5352	End	5573
GI	none	Score	1
Exons	5352..5573		

Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91593	Strand	-
Start	1	End	517
Name	OJ000350_43.0317.C33.o1.np	Method	AAT/NAP
Start	1	End	469
GI	5487873	Score	173
Exons	1..469		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91593	Strand	-
Start	1	End	517
Name	OJ000350_43.0317.C33.o1.gs	Method	GENSCAN
Start	47	End	517
GI	none	Score	.64
Exons	47..517		

Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91594	Strand	-
Start	2377	End	2840
Name	OJ000350_43.0317.C33.o2.tm	Method	TBLASTX:Maize
Start	2	End	2840
GI	none	Score	65

Exons	2..49, 3..101, 68..166, 68..187, 152..238, 225..239, 290..340, 383..514, 393..482, 2723..2797, 2725..2793, 2798..2839, 2802..2840		
Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91594	Strand	-
Start	2377	End	2840
Name	OJ000350_43.0317.C33.o1.ts	Method	TBLASTX:Soybean
Start	110	End	490
GI	none	Score	74
Exons	110..184, 170..238, 293..340, 383..490		
Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91594	Strand	-
Start	2377	End	2840
Name	OJ000350_43.0317.C33.o1.tw	Method	TBLASTX:Wheat
Start	170	End	482
GI	none	Score	151
Exons	170..238, 290..340, 291..482, 386..481		
Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91594	Strand	-
Start	2377	End	2840
Name	OJ000350_43.0317.C33.o2.gs	Method	GENSCAN
Start	2377	End	2790
GI	none	Score	.95
Exons	2377..2679, 2716..2790		
Seq. No.	43652	Seq. ID	OJ000350_43.0317.C33
Gene No.	91594	Strand	-
Start	2377	End	2840
Name	OJ000350_43.0317.C33.o1.tm	Method	TBLASTX:Maize
Start	2401	End	2665
GI	none	Score	85
Exons	2401..2481, 2401..2664, 2405..2665		
Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91595	Strand	+
Start	3334	End	4589
Name	OJ000350_43.0317.C34.o2.gs	Method	GENSCAN
Start	3334	End	4589
GI	none	Score	.46
Exons	3334..3355, 4031..4060, 4570..4589		
Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91596	Strand	+
Start	5355	End	6800
Name	OJ000350_43.0317.C34.o3.gs	Method	GENSCAN
Start	5355	End	6800
GI	none	Score	.46
Exons	5355..5948, 6414..6800		
Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91596	Strand	+
Start	5355	End	6800
Name	OJ000350_43.0317.C34.o1.np	Method	AAT/NAP
Start	5358	End	5948

GI	6694699	Score	384
Exons	5358..5948		
GI Descrip.	(AF210064) dirigent protein [Thuja plicata]		

Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91596	Strand	+
Start	5355	End	6800
Name	OJ000350_43.0317.C34.o1.gp	Method	AAT/GAP
Start	5693	End	5951
GI	4969019	Score	470
Exons	5693..5951		
GI Descrip.	4454038/emb\|CAA23035.1\| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91597	Strand	+
Start	8093	End	8489
Name	OJ000350_43.0317.C34.o4.gs	Method	GENSCAN
Start	8093	End	8479
GI	none	Score	.83
Exons	8093..8479		

Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91597	Strand	+
Start	8093	End	8489
Name	OJ000350_43.0317.C34.o2.np	Method	AAT/NAP
Start	8102	End	8489
GI	6694703	Score	126
Exons	8102..8489		
GI Descrip.	(AF210066) dirigent-like protein [Thuja plicata]		

Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91598	Strand	-
Start	37	End	255
Name	OJ000350_43.0317.C34.o1.gs	Method	GENSCAN
Start	37	End	255
GI	none	Score	.99
Exons	37..255		

Seq. No.	43653	Seq. ID	OJ000350_43.0317.C34
Gene No.	91599	Strand	
Start	5466	End	5948
Name	OJ000350_43.0317.C34.o1.tc	Method	TBLASTX:Cress
Start	5466	End	5948
GI	none	Score	48
Exons	5466..5513, 5592..5639, 5664..5948, 5738..5923		

Seq. No.	43654	Seq. ID	OJ000350_43.0317.C35
Gene No.	91600	Strand	-
Start	800	End	1619
Name	OJ000350_43.0317.C35.o1.tm	Method	TBLASTX:Maize
Start	726	End	1619
GI	none	Score	170
Exons	726..911, 766..918, 790..909, 824..910, 942..1256, 980..1132, 981..1262, 1030..1257, 1416..1475, 1423..1476, 1435..1482, 1475..1597, 1475..1594, 1482..1616, 1482..1619		

Seq. No.	43654	Seq. ID	OJ000350_43.0317.C35
Gene No.	91600	Strand	-
Start	800	End	1619
Name	OJ000350_43.0317.C35.o1.gs	Method	GENSCAN
Start	800	End	1261
GI	none	Score	.64
Exons	800..907, 984..1261		

Seq. No.	43654	Seq. ID	OJ000350_43.0317.C35
Gene No.	91600	Strand	-
Start	800	End	1619
Name	OJ000350_43.0317.C35.o1.gp	Method	AAT/GAP
Start	806	End	1482
GI	35649_1.R1084	Score	610
Exons	806..907, 984..1261, 1421..1482		
GI Descrip.	'4454038/emb\|CAA23035.1\| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	43654	Seq. ID	OJ000350_43.0317.C35
Gene No.	91600	Strand	-
Start	800	End	1619
Name	OJ000350_43.0317.C35.o1.ts	Method	TBLASTX:Soybean
Start	1014	End	1598
GI	none	Score	71
Exons	1014..1115, 1014..1256, 1033..1251, 1166..1252, 1422..1475, 1435..1476, 1436..1477, 1475..1588, 1475..1594, 1482..1598		

Seq. No.	43655	Seq. ID	OJ000250_41.0315.C1
Gene No.	91601	Strand	-
Start	1	End	1385
Name	OJ000250_41.0315.C1.o1.np	Method	AAT/NAP
Start	1	End	1385
GI	6815062	Score	964
Exons	1..320, 379..619, 705..1385		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	43655	Seq. ID	OJ000250_41.0315.C1
Gene No.	91601	Strand	-
Start	1	End	1385
Name	OJ000250_41.0315.C1.o1.gs	Method	GENSCAN
Start	11	End	1361
GI	none	Score	.88
Exons	11..305, 411..619, 705..1361		

Seq. No.	43655	Seq. ID	OJ000250_41.0315.C1
Gene No.	91601	Strand	-
Start	1	End	1385
Name	OJ000250_41.0315.C1.o2.tm	Method	TBLASTX:Maize
Start	11	End	619
GI	none	Score	107
Exons	11..196, 236..313, 410..619, 411..569		

Seq. No.	43655	Seq. ID	OJ000250_41.0315.C1
Gene No.	91601	Strand	-
Start	1	End	1385

Name	OJ000250_41.0315.C1.o1.tm	Method	TBLASTX:Maize
Start	858	End	1362
GI	none	Score	207
Exons	858..1196, 862..1167, 942..1196, 1227..1361, 1237..1362		

Seq. No.	43656	Seq. ID	OJ000250_41.0315.C2
Gene No.	91602	Strand	-
Start	1	End	1790
Name	OJ000250_41.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	1790
GI	6815062	Score	1399
Exons	1..114, 286..1790		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	43656	Seq. ID	OJ000250_41.0315.C2
Gene No.	91602	Strand	-
Start	1	End	1790
Name	OJ000250_41.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	779	End	1057
GI	none	Score	76
Exons	779..1057, 876..1001		

Seq. No.	43656	Seq. ID	OJ000250_41.0315.C2
Gene No.	91602	Strand	-
Start	1	End	1790
Name	OJ000250_41.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	1184	End	1748
GI	none	Score	211
Exons	1184..1564, 1206..1529, 1599..1748		

Seq. No.	43657	Seq. ID	OJ000250_41.0315.C4
Gene No.	91603	Strand	+
Start	3662	End	8443
Name	OJ000250_41.0315.C4.o2.np	Method	AAT/NAP
Start	3662	End	8443
GI	7248394	Score	259
Exons	3662..3683, 7318..7681, 8065..8443		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43657	Seq. ID	OJ000250_41.0315.C4
Gene No.	91603	Strand	+
Start	3662	End	8443
Name	OJ000250_41.0315.C4.o2.gs	Method	GENSCAN
Start	3920	End	7368
GI	none	Score	.56
Exons	3920..4087, 4303..6852, 7025..7147, 7294..7368		

Seq. No.	43657	Seq. ID	OJ000250_41.0315.C4
Gene No.	91604	Strand	-
Start	1	End	1099
Name	OJ000250_41.0315.C4.o1.np	Method	AAT/NAP

Start	1	End	1099
GI	282881	Score	331
Exons	1..1099		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43657	Seq. ID	OJ000250_41.0315.C4
Gene No.	91604	Strand	-
Start	1	End	1099
Name	OJ000250_41.0315.C4.o1.tc	Method	TBLASTX:Cress
Start	37	End	994
GI	none	Score	38
Exons	37..60, 72..140, 150..212, 261..320, 357..428, 519..650, 520..639, 715..855, 839..898, 843..893, 873..980, 893..994		

Seq. No.	43657	Seq. ID	OJ000250_41.0315.C4
Gene No.	91604	Strand	-
Start	1	End	1099
Name	OJ000250_41.0315.C4.o1.gs	Method	GENSCAN
Start	84	End	1081
GI	none	Score	.41
Exons	84..754, 835..1081		

Seq. No.	43658	Seq. ID	OJ000250_41.0315.C5
Gene No.	91605	Strand	+
Start	962	End	1352
Name	OJ000250_41.0315.C5.o1.gs	Method	GENSCAN
Start	962	End	1352
GI	none	Score	.72
Exons	962..1060, 1252..1352		

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91606	Strand	+
Start	4612	End	7372
Name	OJ000250_41.0315.C7.o3.gs	Method	GENSCAN
Start	4612	End	7372
GI	none	Score	.72
Exons	4612..4693, 4745..4959, 5038..5313, 6444..6509, 6782..6893, 7203..7372		

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91607	Strand	-
Start	2042	End	3809
Name	OJ000250_41.0315.C7.o2.gs	Method	GENSCAN
Start	2042	End	3809
GI	none	Score	.88
Exons	2042..2416, 3681..3809		

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91607	Strand	-
Start	2042	End	3809
Name	OJ000250_41.0315.C7.o1.np	Method	AAT/NAP
Start	2045	End	3804
GI	7485560	Score	238
Exons	2045..2416, 3681..3804		
GI Descrip.	hypothetical protein F16G20.50 - Arabidopsis thaliana		

gi|3451060|emb|CAA20456.1| (AL031326) putative protein [Arabidopsis thaliana] gi|7269183|emb|CAB79290.1| (AL161559) putative protein [Arabidopsis thaliana]

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91607	Strand	-
Start	2042	End	3809
Name	OJ000250_41.0315.C7.o1.gp	Method	AAT/GAP
Start	2264	End	2506
GI	2797451	Score	466
Exons	2264..2506		
GI Descrip.	5107812/gb\|AAD40125.1\|AF149413_6 3.0e-09 (AF149413) contains similarity to number of Arabidopsis thaliana hypothetical proteins including AC004521 and AL031326		

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91608	Strand	-
Start	3740	End	3990
Name	OJ000250_41.0315.C7.o2.gp	Method	AAT/GAP
Start	3740	End	3990
GI	2799294	Score	221
Exons	3740..3827, 3940..3990		

Seq. No.	43659	Seq. ID	OJ000250_41.0315.C7
Gene No.	91609	Strand	-
Start	4573	End	7379
Name	OJ000250_41.0315.C7.o2.np	Method	AAT/NAP
Start	4573	End	7379
GI	5734621	Score	200
Exons	4573..4710, 7100..7267, 7316..7379		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91610	Strand	+
Start	5921	End	16699
Name	OJ000250_41.0315.C8.o1.np	Method	AAT/NAP
Start	5903	End	7044
GI	7435799	Score	874
Exons	5903..6353, 6462..7044		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) - barley gi\|2224810\|emb\|CAB09698.1\| (Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91610	Strand	+
Start	5921	End	16699
Name	OJ000250_41.0315.C8.o2.gs	Method	GENSCAN
Start	5921	End	16699
GI	none	Score	.4
Exons	5921..6353, 6462..6574, 6586..6958, 7662..7714, 7739..7907, 8988..9035, 10484..10536, 12676..13410, 16317..16343, 16580..16699		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91611	Strand	-

Start	412	End	4519
Name	OJ000250_41.0315.C8.o1.gs	Method	GENSCAN
Start	412	End	4519
GI	none	Score	.52
Exons	412..570, 1440..1532, 2426..2508, 3355..3391, 4313..4519		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91612	Strand	-
Start	14729	End	20317
Name	OJ000250_41.0315.C8.o1.gp	Method	AAT/GAP
Start	14729	End	20317
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	14729..14790, 20274..20317		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91612	Strand	-
Start	14729	End	20317
Name	OJ000250_41.0315.C8.o3.gs	Method	GENSCAN
Start	17749	End	19709
GI	none	Score	.82
Exons	17749..17801, 18561..18945, 19032..19709		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91612	Strand	-
Start	14729	End	20317
Name	OJ000250_41.0315.C8.o2.np	Method	AAT/NAP
Start	17851	End	19688
GI	7385017	Score	835
Exons	17851..18200, 18561..18938, 19025..19688		
GI Descrip.	(AF190634) UDP-glucose:salicylic acid glucosyltransferase [Nicotiana tabacum]		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	5963	End	7050
GI	none	Score	174
Exons	5963..6151, 6037..6138, 6137..6217, 6166..6201, 6238..6279, 6275..6346, 6289..6345, 6461..6541, 6532..6564, 6568..6693, 6685..6843, 6723..6839, 6853..7050, 6856..6990, 6858..7046		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o1.tc	Method	TBLASTX:Cress
Start	5972	End	7049
GI	none	Score	115
Exons	5972..6139, 6152..6214, 6157..6213, 6256..6354, 6257..6355, 6454..6534, 6461..6541, 6532..6573, 6565..6681, 6636..6665, 6691..7044, 6723..7049		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-

Start	22318	End	26012
Name	OJ000250_41.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	6029	End	7053
GI	none	Score	86
Exons	6029..6136, 6137..6205, 6143..6247, 6280..6357, 6281..6355, 6460..6522, 6461..6541, 6532..6687, 6547..6687, 6709..6900, 6723..6899, 6904..7053, 6939..7052		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o3.tw	Method	TBLASTX:Wheat
Start	6287	End	6681
GI	none	Score	86
Exons	6287..6355, 6460..6534, 6461..6541, 6532..6567, 6565..6681, 6621..6668		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o2.tw	Method	TBLASTX:Wheat
Start	6768	End	7070
GI	none	Score	116
Exons	6768..6896, 6769..6897, 6912..7046, 6913..7050, 6918..7070		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o2.tc	Method	TBLASTX:Cress
Start	8551	End	22660
GI	none	Score	53
Exons	8551..8634, 8663..8707, 17878..17988, 17882..17923, 17992..18204, 18011..18205, 22330..22440, 22334..22375, 22444..22659, 22448..22660		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o1.tw	Method	TBLASTX:Wheat
Start	8558	End	22551
GI	none	Score	50
Exons	8558..8602, 8560..8622, 8610..8690, 8615..8689, 8687..8710, 8752..8784, 17872..18099, 17873..17923, 17875..18096, 18009..18098, 22321..22551, 22325..22381, 22426..22548, 22461..22550		

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o2.tm	Method	TBLASTX:Maize
Start	8731	End	23673
GI	none	Score	73
Exons	8731..8808, 8735..8815, 17962..18048, 18008..18043, 18051..18188, 18052..18201, 18058..18201, 18065..18205, 18559..18723, 18560..18700, 18560..18730, 18561..18716, 18724..18828, 18755..18817, 18818..18967, 18820..18945, 19011..19175, 19030..19197, 19035..19193, 22414..22482,		

22414..22500, 22507..22653, 22510..22653, 22514..22657,
22786..22932, 22787..22951, 22788..22955, 22952..23044,
22953..23045, 23046..23174, 23048..23173, 23503..23664,
23515..23673

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o2.ts	Method	TBLASTX:Soybean
Start	17887	End	24145
GI	none	Score	84

Exons 17887..18201, 18110..18205, 18559..18636, 18649..18822,
18829..18873, 19026..19157, 19224..19442, 19536..19670,
19615..19671, 22312..22653, 22517..22657, 22787..22864,
22859..23050, 23054..23101, 23102..23140, 23503..23637,
23704..23931, 23965..23997, 23966..23998, 24013..24123,
24044..24145

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o3.tm	Method	TBLASTX:Maize
Start	19338	End	24151
GI	none	Score	98

Exons 19338..19466, 19338..19466, 19546..19686, 19551..19685,
23818..23970, 23819..23971, 23969..24007, 24022..24147,
24023..24151

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o2.gp	Method	AAT/GAP
Start	22189	End	22495
GI	2312825	Score	451

Exons 22189..22495
GI Descrip. 6041757/gb|AC011806.1|AC011806 1.0e-19 Genomic Sequence For
Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
complete sequence

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o3.np	Method	AAT/NAP
Start	22303	End	24167
GI	7385017	Score	816

Exons 22303..22652, 22789..23163, 23502..24167
GI Descrip. (AF190634) UDP-glucose:salicylic acid glucosyltransferase
[Nicotiana tabacum]

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o4.gs	Method	GENSCAN
Start	22318	End	26012
GI	none	Score	.57

Exons 22318..22545, 22811..23173, 23512..24264, 25934..26012

Seq. No.	43660	Seq. ID	OJ000250_41.0315.C8
Gene No.	91613	Strand	-
Start	22318	End	26012
Name	OJ000250_41.0315.C8.o3.gp	Method	AAT/GAP
Start	23875	End	24259
GI	70620_1.R1084	Score	705
Exons	23875..24259		
GI Descrip.	'2501499/sp\|Q41819\|IAAG_MAIZE 1.0e-08 INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5''-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) >gi_626043_pir__A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize >gi_548195 (L34847) IAA-glu synthetase [Zea mays]'		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91614	Strand	+
Start	161	End	665
Name	OJ000250_41.0315.C9.o1.gs	Method	GENSCAN
Start	161	End	665
GI	none	Score	.71
Exons	161..195, 236..494, 520..665		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91615	Strand	+
Start	12108	End	13777
Name	OJ000250_41.0315.C9.o3.np	Method	AAT/NAP
Start	12108	End	13777
GI	6539588	Score	129
Exons	12108..12423, 13760..13777		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91616	Strand	+
Start	16864	End	25297
Name	OJ000250_41.0315.C9.o6.gs	Method	GENSCAN
Start	16864	End	24437
GI	none	Score	.44
Exons	16864..16887, 17105..17261, 17915..17979, 18441..18477, 18577..18713, 20452..20524, 20640..20683, 21107..21211, 21265..22138, 22365..23616, 23790..24437		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91616	Strand	+
Start	16864	End	25297
Name	OJ000250_41.0315.C9.o4.np	Method	AAT/NAP
Start	21283	End	25297
GI	7228457	Score	4748
Exons	21283..21649, 21711..23646, 23710..25297		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91617	Strand	-
Start	1	End	7840
Name	OJ000250_41.0315.C9.o1.np	Method	AAT/NAP
Start	1	End	7840

GI	7106516	Score	192
Exons	1..35, 298..446, 595..676, 1656..1814, 2554..2597, 7808..7840		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91617	Strand	-
Start	1	End	7840
Name	OJ000250_41.0315.C9.o1.gp	Method	AAT/GAP
Start	2288	End	2609
GI	LIB3432-058-P1-K1-E12	Score	319
Exons	2288..2609		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91618	Strand	-
Start	8148	End	9602
Name	OJ000250_41.0315.C9.o3.gs	Method	GENSCAN
Start	8148	End	9602
GI	none	Score	.71
Exons	8148..9602		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o6.tm	Method	TBLASTX:Maize
Start	4021	End	4290
GI	none	Score	77
Exons	4021..4290, 4142..4288		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o8.tw	Method	TBLASTX:Wheat
Start	4369	End	4733
GI	none	Score	112
Exons	4369..4416, 4373..4588, 4405..4614, 4422..4733		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o3.tm	Method	TBLASTX:Maize
Start	4464	End	4932
GI	none	Score	49
Exons	4464..4532, 4489..4545, 4563..4925, 4570..4932		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o9.tw	Method	TBLASTX:Wheat
Start	4977	End	5380
GI	none	Score	60
Exons	4977..5009, 5010..5123, 5035..5139, 5123..5200, 5252..5380		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545

Name	OJ000250_41.0315.C9.o2.ts	Method	TBLASTX:Soybean
Start	5007	End	5530
GI	none	Score	48
Exons	5007..5117, 5020..5109, 5177..5404, 5196..5351, 5373..5414, 5474..5530		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	5135	End	6096
GI	none	Score	100
Exons	5135..5713, 5235..5408, 5261..5614, 5469..5714, 5713..6096, 5722..6081		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o4.tw	Method	TBLASTX:Wheat
Start	5734	End	6048
GI	none	Score	165
Exons	5734..6048, 5828..6022, 5862..6026		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o5.tm	Method	TBLASTX:Maize
Start	6235	End	6932
GI	none	Score	127
Exons	6235..6333, 6301..6483, 6454..6615, 6618..6932		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o6.tw	Method	TBLASTX:Wheat
Start	6373	End	6776
GI	none	Score	88
Exons	6373..6612, 6395..6613, 6618..6776		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o7.tw	Method	TBLASTX:Wheat
Start	7004	End	7352
GI	none	Score	124
Exons	7004..7225, 7017..7211, 7226..7351, 7227..7352		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91619	Strand	-
Start	12721	End	14545
Name	OJ000250_41.0315.C9.o5.gs	Method	GENSCAN
Start	12721	End	14545
GI	none	Score	.5
Exons	12721..12749, 12803..12960, 13823..13995, 14417..14545		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91620	Strand	

Start	21940	End	22329
Name	OJ000250_41.0315.C9.o5.tw	Method	TBLASTX:Wheat
Start	21940	End	22329
GI	none	Score	54
Exons	21940..21984, 21991..22089, 22008..22088, 22056..22295, 22072..22329		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91620	Strand	
Start	21940	End	22329
Name	OJ000250_41.0315.C9.o7.tm	Method	TBLASTX:Maize
Start	21979	End	22227
GI	none	Score	195
Exons	21979..22227, 21981..22226		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91621	Strand	
Start	23068	End	23554
Name	OJ000250_41.0315.C9.o2.tw	Method	TBLASTX:Wheat
Start	23068	End	23554
GI	none	Score	398
Exons	23068..23241, 23069..23554, 23263..23523		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91622	Strand	
Start	23717	End	24204
Name	OJ000250_41.0315.C9.o1.tw	Method	TBLASTX:Wheat
Start	23717	End	24180
GI	none	Score	214
Exons	23717..24160, 23718..24170, 23719..24180, 23719..24180		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91622	Strand	
Start	23717	End	24204
Name	OJ000250_41.0315.C9.o3.ts	Method	TBLASTX:Soybean
Start	23758	End	24123
GI	none	Score	112
Exons	23758..23982, 23989..24123		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91622	Strand	
Start	23717	End	24204
Name	OJ000250_41.0315.C9.o2.tm	Method	TBLASTX:Maize
Start	23848	End	24204
GI	none	Score	384
Exons	23848..24204, 23887..24060, 23889..24170, 23969..24193, 24088..24204		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91623	Strand	
Start	24181	End	24512
Name	OJ000250_41.0315.C9.o3.tw	Method	TBLASTX:Wheat
Start	24181	End	24492
GI	none	Score	340
Exons	24181..24492, 24189..24479		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9

Gene No.	91623	Strand	
Start	24181	End	24512
Name	OJ000250_41.0315.C9.o4.tm	Method	TBLASTX:Maize
Start	24231	End	24512
GI	none	Score	279
Exons	24231..24512, 24232..24510		

Seq. No.	43661	Seq. ID	OJ000250_41.0315.C9
Gene No.	91623	Strand	
Start	24181	End	24512
Name	OJ000250_41.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	24268	End	24501
GI	none	Score	207
Exons	24268..24501, 24285..24500		

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o2.ts	Method	TBLASTX:Soybean
Start	187	End	378
GI	none	Score	119
Exons	187..378, 188..376, 205..378		

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o1.tm	Method	TBLASTX:Maize
Start	221	End	876
GI	none	Score	231
Exons	221..442, 223..405, 383..445, 696..836, 700..873, 707..874, 708..875, 718..876		

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o1.np	Method	AAT/NAP
Start	223	End	876
GI	7487060	Score	432
Exons	223..440, 707..876		
GI Descrip.	hypothetical protein T16B24.23 - Arabidopsis thaliana (fragment)		

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o1.tc	Method	TBLASTX:Cress
Start	223	End	442
GI	none	Score	131
Exons	223..405, 224..442, 389..439		

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o1.gp	Method	AAT/GAP
Start	253	End	876
GI	LIB3477-010-P1-K1-F12	Score	684
Exons	253..440, 707..876		
GI Descrip.	'3402690 2.0e-46 (AC004697) hypothetical protein, 3'' partial		

[Arabidopsis thaliana]'

Seq. No.	43662	Seq. ID	OJ000250_41.0315.C11
Gene No.	91624	Strand	-
Start	223	End	876
Name	OJ000250_41.0315.C11.o1.ts	Method	TBLASTX:Soybean
Start	379	End	876
GI	none	Score	60
Exons	379..405, 385..441, 708..875,	709..876	

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91625	Strand	+
Start	803	End	1090
Name	OJ000250_41.0315.C13.o1.gs	Method	GENSCAN
Start	803	End	1090
GI	none	Score	.8
Exons	803..1090		

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91626	Strand	+
Start	9111	End	9870
Name	OJ000250_41.0315.C13.o5.gs	Method	GENSCAN
Start	9111	End	9870
GI	none	Score	.97
Exons	9111..9142, 9654..9870		

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91627	Strand	-
Start	1	End	2756
Name	OJ000250_41.0315.C13.o1.np	Method	AAT/NAP
Start	1	End	2756
GI	6598488	Score	150
Exons	1..52, 814..1172, 2524..2571,	2620..2756	
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91627	Strand	-
Start	1	End	2756
Name	OJ000250_41.0315.C13.o2.gs	Method	GENSCAN
Start	1652	End	2756
GI	none	Score	.83
Exons	1652..1808, 2524..2756		

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91628	Strand	-
Start	3823	End	7231
Name	OJ000250_41.0315.C13.o3.gs	Method	GENSCAN
Start	3823	End	7231
GI	none	Score	.68
Exons	3823..3870, 4979..5098, 6864..7102,	7189..7231	

Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91629	Strand	-
Start	7650	End	8048
Name	OJ000250_41.0315.C13.o4.gs	Method	GENSCAN
Start	7650	End	8048
GI	none	Score	.81

Exons	7650..7898, 7926..8048		
Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91630	Strand	-
Start	10541	End	11283
Name	OJ000250_41.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	953	End	2568
GI	none	Score	194
Exons	953..1015, 968..1174, 1032..1175, 1048..1176, 1102..1179, 2523..2567, 2524..2568		
Seq. No.	43663	Seq. ID	OJ000250_41.0315.C13
Gene No.	91630	Strand	-
Start	10541	End	11283
Name	OJ000250_41.0315.C13.o6.gs	Method	GENSCAN
Start	10541	End	11283
GI	none	Score	.8
Exons	10541..10600, 11029..11283		
Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o2.gs	Method	GENSCAN
Start	2145	End	5062
GI	none	Score	.62
Exons	2145..2458, 2597..2781, 3375..5062		
Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o1.tm	Method	TBLASTX:Maize
Start	3337	End	3856
GI	none	Score	422
Exons	3337..3672, 3371..3856, 3371..3853, 3691..3855		
Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o1.np	Method	AAT/NAP
Start	3339	End	4908
GI	282881	Score	1001
Exons	3339..4908		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o2.ts	Method	TBLASTX:Soybean
Start	3386	End	3743
GI	none	Score	116
Exons	3386..3631, 3396..3617, 3605..3739, 3636..3743, 3684..3740		
Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062

Name	OJ000250_41.0315.C14.o1.tc	Method	TBLASTX:Cress
Start	3392	End	4852
GI	none	Score	97
Exons	3392..3628, 3402..3605, 3404..3628, 3630..3911, 3638..4177, 3662..4162, 3681..4166, 4182..4289, 4187..4309, 4505..4579, 4598..4723, 4715..4852		

Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o1.gp	Method	AAT/GAP
Start	3549	End	3764
GI	LIB3433-029-P1-K1-H12	Score	364
Exons	3549..3764		
GI Descrip.	'282881/pir\|\|S27754 9.0e-16 receptor-like protein kinase precursor - Arabidopsis thaliana >gi_166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o1.tw	Method	TBLASTX:Wheat
Start	3719	End	4121
GI	none	Score	138
Exons	3719..3976, 3720..3947, 3734..3964, 3983..4102, 3983..4120, 4005..4121		

Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o1.ts	Method	TBLASTX:Soybean
Start	3800	End	4582
GI	none	Score	237
Exons	3800..4144, 3810..4127, 3815..4144, 4148..4375, 4158..4280, 4541..4582		

Seq. No.	43664	Seq. ID	OJ000250_41.0315.C14
Gene No.	91631	Strand	-
Start	2145	End	5062
Name	OJ000250_41.0315.C14.o2.tm	Method	TBLASTX:Maize
Start	3857	End	4324
GI	none	Score	69
Exons	3857..3964, 3858..3965, 3978..4184, 3983..4129, 4148..4324		

Seq. No.	43665	Seq. ID	OJ000250_41.0315.C15
Gene No.	91632	Strand	-
Start	135	End	1473
Name	OJ000250_41.0315.C15.o1.gs	Method	GENSCAN
Start	135	End	1473
GI	none	Score	.54
Exons	135..231, 697..758, 928..1183, 1445..1473		

Seq. No.	43666	Seq. ID	OJ000250_41.0315.C16
Gene No.	91633	Strand	+
Start	1190	End	1571
Name	OJ000250_41.0315.C16.o1.gp	Method	AAT/GAP
Start	1190	End	1571

GI	uC-osflcyp033a04b1	Score	639
Exons	1190..1571		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43666	Seq. ID	OJ000250_41.0315.C16
Gene No.	91634	Strand	-
Start	1123	End	5635
Name	OJ000250_41.0315.C16.o1.np	Method	AAT/NAP
Start	1123	End	5635
GI	4680186	Score	351
Exons	1123..1323, 2161..2219, 5519..5635		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43666	Seq. ID	OJ000250_41.0315.C16
Gene No.	91634	Strand	-
Start	1123	End	5635
Name	OJ000250_41.0315.C16.o1.tm	Method	TBLASTX:Maize
Start	5010	End	5297
GI	none	Score	144
Exons	5010..5066, 5049..5162, 5172..5297		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91635	Strand	+
Start	89	End	1410
Name	OJ000250_41.0315.C17.o1.gs	Method	GENSCAN
Start	89	End	1410
GI	none	Score	.7
Exons	89..253, 822..866, 1021..1136, 1153..1410		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91636	Strand	+
Start	7033	End	13888
Name	OJ000250_41.0315.C17.o3.gs	Method	GENSCAN
Start	7033	End	13888
GI	none	Score	.53
Exons	7033..7240, 9736..9923, 11546..11683, 13823..13888		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91637	Strand	-
Start	3445	End	5929
Name	OJ000250_41.0315.C17.o1.np	Method	AAT/NAP
Start	3445	End	5929
GI	282881	Score	1279
Exons	3445..5929		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91637	Strand	-
Start	3445	End	5929
Name	OJ000250_41.0315.C17.o2.gs	Method	GENSCAN
Start	3479	End	5914
GI	none	Score	.99
Exons	3479..5914		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	3479	End	3960
GI	none	Score	511
Exons	3479..3958, 3480..3959, 3583..3960, 3598..3960		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o1.tc	Method	TBLASTX:Cress
Start	3489	End	5810
GI	none	Score	122
Exons	3489..3746, 3497..3733, 3741..4271, 3743..4273, 4265..4390, 4281..4400, 4610..4684, 4703..4828, 4859..4963, 4860..4964, 5060..5161, 5073..5162, 5168..5257, 5282..5470, 5555..5602, 5669..5737, 5685..5810, 5738..5809		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	3500	End	4141
GI	none	Score	95
Exons	3500..3637, 3501..3599, 3545..3637, 3738..3869, 3746..3889, 3905..4099, 3909..4049, 4088..4141		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o1.tw	Method	TBLASTX:Wheat
Start	3824	End	4226
GI	none	Score	151
Exons	3824..4081, 3825..4049, 4086..4226, 4088..4225		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o2.tm	Method	TBLASTX:Maize
Start	3962	End	4384
GI	none	Score	86
Exons	3962..4069, 4088..4243, 4107..4289, 4241..4384		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o3.tm	Method	TBLASTX:Maize
Start	4733	End	5017
GI	none	Score	68
Exons	4733..4891, 4780..4893, 4916..5017, 4917..5015		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o2.ts	Method	TBLASTX:Soybean
Start	4874	End	5275

GI	none	Score	141
Exons	4874..4942, 4955..5062, 5048..5275		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o3.np	Method	AAT/NAP
Start	11464	End	12915
GI	5852180	Score	354
Exons	11464..11837, 12828..12915		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43667	Seq. ID	OJ000250_41.0315.C17
Gene No.	91638	Strand	-
Start	11464	End	12915
Name	OJ000250_41.0315.C17.o2.gp	Method	AAT/GAP
Start	12213	End	12727
GI	uC-osf1M202048c12b1	Score	805
Exons	12213..12727		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.np	Method	AAT/NAP
Start	1	End	2313
GI	282881	Score	1167
Exons	1..2313		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.tc	Method	TBLASTX:Cress
Start	3	End	2194
GI	none	Score	392
Exons	3..116, 124..654, 126..656, 648..773, 664..768, 994..1068, 1087..1212, 1222..1347, 1223..1354, 1444..1545, 1579..1641, 1705..1854, 1939..1986, 2053..2121, 2056..2106, 2069..2194, 2122..2193		

Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	344
GI	none	Score	393
Exons	3..341, 7..342, 8..343, 144..344		

Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.gs	Method	GENSCAN
Start	12	End	4097

GI	none	Score	.4
Exons	12..834, 848..2129, 2188..2399, 4045..4097		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o3.ts	Method	TBLASTX:Soybean
Start	108	End	275
GI	none	Score	155
Exons	108..275, 112..270		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.tw	Method	TBLASTX:Wheat
Start	207	End	609
GI	none	Score	158
Exons	207..458, 208..432, 469..609, 471..608		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o1.ts	Method	TBLASTX:Soybean
Start	282	End	1083
GI	none	Score	99
Exons	282..458, 288..632, 298..609, 305..616, 639..863, 649..768, 967..1083		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o2.tm	Method	TBLASTX:Maize
Start	345	End	767
GI	none	Score	84
Exons	345..452, 471..626, 490..672, 624..767		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o3.tm	Method	TBLASTX:Maize
Start	1117	End	1401
GI	none	Score	79
Exons	1117..1275, 1164..1277, 1300..1401, 1319..1399		
Seq. No.	43668	Seq. ID	OJ000250_41.0315.C18
Gene No.	91639	Strand	-
Start	1	End	4097
Name	OJ000250_41.0315.C18.o2.ts	Method	TBLASTX:Soybean
Start	1258	End	1659
GI	none	Score	138
Exons	1258..1326, 1339..1446, 1432..1659		
Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o1.np	Method	AAT/NAP
Start	4793	End	6780

GI	282881	Score	789
Exons	4793..4846, 5683..6585, 6709..6780		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o1.tm	Method	TBLASTX:Maize
Start	5625	End	6145
GI	none	Score	114
Exons	5625..5819, 5626..6048, 5626..6063, 5921..6064, 6051..6143, 6052..6144, 6059..6145		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o3.gs	Method	GENSCAN
Start	5665	End	6624
GI	none	Score	.65
Exons	5665..5875, 5998..6624		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o2.ts	Method	TBLASTX:Soybean
Start	5678	End	6031
GI	none	Score	139
Exons	5678..5965, 5686..5928, 5914..6030, 5918..6031, 5939..6031		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o1.tc	Method	TBLASTX:Cress
Start	5686	End	6585
GI	none	Score	82
Exons	5686..5916, 5689..5919, 5690..5932, 5927..6046, 5929..6048, 6031..6207, 6051..6458, 6052..6456, 6450..6584, 6466..6585		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o1.tw	Method	TBLASTX:Wheat
Start	6010	End	6411
GI	none	Score	40
Exons	6010..6066, 6011..6049, 6054..6260, 6055..6264, 6057..6287, 6255..6401, 6267..6410, 6268..6411		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o1.ts	Method	TBLASTX:Soybean
Start	6090	End	6578
GI	none	Score	251
Exons	6090..6425, 6100..6417, 6438..6578, 6487..6570		

Seq. No.	43669	Seq. ID	OJ000250_41.0315.C19
Gene No.	91640	Strand	-
Start	4793	End	6780
Name	OJ000250_41.0315.C19.o2.tm	Method	TBLASTX:Maize
Start	6147	End	6572
GI	none	Score	57
Exons	6147..6254, 6148..6234, 6273..6419, 6274..6420, 6438..6572		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492
Name	OJ000350_48.0310.C4.o1.np	Method	AAT/NAP
Start	807	End	1492
GI	218179	Score	491
Exons	807..981, 1109..1207, 1355..1492		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi\|444339\|prf\|\|1906387A H ATPase [Oryza sativa]		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492
Name	OJ000350_48.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	844	End	1459
GI	none	Score	153
Exons	844..993, 861..977, 1106..1207, 1106..1189, 1108..1224, 1108..1206, 1343..1459, 1355..1435, 1357..1458		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492
Name	OJ000350_48.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	844	End	1141
GI	none	Score	161
Exons	844..1014, 861..983, 1099..1140, 1106..1141		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492
Name	OJ000350_48.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	861	End	1212
GI	none	Score	96
Exons	861..935, 862..933, 862..936, 938..982, 939..983, 940..981, 1106..1207, 1106..1207, 1107..1208, 1108..1212		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492
Name	OJ000350_48.0310.C4.o1.gp	Method	AAT/GAP
Start	862	End	1492
GI	553_1.R1084	Score	629
Exons	862..981, 1109..1207, 1355..1492		
GI Descrip.	'218179/dbj\|BAA01058\| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	43670	Seq. ID	OJ000350_48.0310.C4
Gene No.	91641	Strand	+
Start	807	End	1492

Name	OJ000350_48.0310.C4.o1.gs	Method	GENSCAN
Start	862	End	1492
GI	none	Score	.65
Exons	862..981, 1109..1207, 1355..1492		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91642	Strand	+
Start	2696	End	7613
Name	OJ000350_48.0310.C10.o1.gp	Method	AAT/GAP
Start	2505	End	3018
GI	none	Score	937
Exons	2505..3018		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91642	Strand	+
Start	2696	End	7613
Name	OJ000350_48.0310.C10.o2.gs	Method	GENSCAN
Start	2696	End	5090
GI	none	Score	.83
Exons	2696..3461, 4525..4568, 4662..4698, 4918..5090		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91642	Strand	+
Start	2696	End	7613
Name	OJ000350_48.0310.C10.o1.np	Method	AAT/NAP
Start	2795	End	7613
GI	6730697	Score	1778
Exons	2795..3461, 6203..6615, 6703..6870, 6940..7170, 7447..7613		
GI Descrip.	(AC011809) calcium-dependent protein kinase 1 [Arabidopsis thaliana]		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91642	Strand	+
Start	2696	End	7613
Name	OJ000350_48.0310.C10.o3.gs	Method	GENSCAN
Start	6241	End	7593
GI	none	Score	.91
Exons	6241..7170, 7447..7593		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91643	Strand	+
Start	8879	End	9569
Name	OJ000350_48.0310.C10.o4.gs	Method	GENSCAN
Start	8879	End	9569
GI	none	Score	1
Exons	8879..9090, 9122..9569		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91644	Strand	+
Start	9546	End	10854
Name	OJ000350_48.0310.C10.o2.np	Method	AAT/NAP
Start	9546	End	10854
GI	5777617	Score	76
Exons	9546..9573, 10755..10854		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10

Gene No.	91645	Strand	+
Start	16688	End	17056
Name	OJ000350_48.0310.C10.o3.np	Method	AAT/NAP
Start	16688	End	17056
GI	6069646	Score	361
Exons	16688..17056		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91646	Strand	+
Start	19294	End	21018
Name	OJ000350_48.0310.C10.o4.np	Method	AAT/NAP
Start	19294	End	21018
GI	7340909	Score	116
Exons	19294..19314, 20051..20093, 20654..20784, 20837..21018		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91646	Strand	+
Start	19294	End	21018
Name	OJ000350_48.0310.C10.o3.gp	Method	AAT/GAP
Start	20767	End	20844
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	20767..20844		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91647	Strand	-
Start	7607	End	7891
Name	OJ000350_48.0310.C10.o2.gp	Method	AAT/GAP
Start	7607	End	7891
GI	uC-osroM202017c04a1	Score	570
Exons	7607..7891		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91648	Strand	-
Start	10995	End	11279
Name	OJ000350_48.0310.C10.o5.gs	Method	GENSCAN
Start	10995	End	11279
GI	none	Score	.97
Exons	10995..11279		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	2948	End	7578
GI	none	Score	504
Exons	2948..3463, 3095..3271, 3262..3447, 6201..6245, 6208..6618,		

6217..6495, 6294..6617, 6612..6665, 6688..6834, 6697..6780, 6700..6801, 6702..6830, 6906..7049, 6907..7170, 7444..7578, 7446..7574

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	2993	End	3469
GI	none	Score	122
Exons	2993..3097, 3038..3271, 3149..3469, 3343..3444, 3371..3466		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	2993	End	3403
GI	none	Score	384
Exons	2993..3403, 3041..3271, 3340..3390		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	3128	End	9438
GI	none	Score	217
Exons	3128..3271, 3149..3403, 3343..3405, 9158..9226, 9337..9438		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	3407	End	7584
GI	none	Score	81
Exons	3407..3466, 6201..6629, 6208..6618, 6688..6831, 6702..6830, 6910..7074, 6942..7049, 7132..7170, 7444..7584, 7446..7574		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	3407	End	6531
GI	none	Score	80
Exons	3407..3472, 3419..3472, 6220..6531, 6220..6414, 6285..6521		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	6232	End	7170
GI	none	Score	516
Exons	6232..6618, 6232..6495, 6288..6617, 6700..6828, 6702..6827, 6924..6983, 6940..7170		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943

Name	OJ000350_48.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	7444	End	7584
GI	none	Score	184
Exons	7444..7584, 7446..7574		

Seq. No.	43671	Seq. ID	OJ000350_48.0310.C10
Gene No.	91649	Strand	-
Start	11852	End	20943
Name	OJ000350_48.0310.C10.o6.gs	Method	GENSCAN
Start	11852	End	20943
GI	none	Score	.44
Exons	11852..11959, 12996..13082, 16869..16921, 18117..18196, 20705..20735, 20852..20943		

Seq. No.	43672	Seq. ID	OJ000350_48.0310.C11
Gene No.	91650	Strand	+
Start	226	End	4494
Name	OJ000350_48.0310.C11.o1.gs	Method	GENSCAN
Start	226	End	3683
GI	none	Score	.55
Exons	226..374, 938..1310, 1718..1777, 2780..2845, 3048..3072, 3502..3683		

Seq. No.	43672	Seq. ID	OJ000350_48.0310.C11
Gene No.	91650	Strand	+
Start	226	End	4494
Name	OJ000350_48.0310.C11.o1.gp	Method	AAT/GAP
Start	389	End	450
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	389..450		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43672	Seq. ID	OJ000350_48.0310.C11
Gene No.	91650	Strand	+
Start	226	End	4494
Name	OJ000350_48.0310.C11.o1.np	Method	AAT/NAP
Start	2745	End	4494
GI	6094553	Score	206
Exons	2745..2826, 2989..3072, 3946..4009, 4444..4494		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.np	Method	AAT/NAP
Start	1	End	2631
GI	6714458	Score	817
Exons	1..218, 330..374, 672..738, 1812..1883, 1993..2237, 2315..2372, 2460..2631		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.ts	Method	TBLASTX:Soybean

Start	12	End	738
GI	none	Score	39
Exons	12..68, 75..218, 76..219, 78..179, 331..375, 667..738, 669..737		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o2.tc	Method	TBLASTX:Cress
Start	61	End	219
GI	none	Score	86
Exons	61..219, 75..215, 76..219		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	64	End	2564
GI	none	Score	232
Exons	64..219, 66..179, 74..217, 76..222, 329..376, 331..375, 331..378, 642..737, 651..740, 667..741, 667..741, 1812..1886, 1816..1881, 1817..1882, 1986..2243, 1992..2243, 1993..2244, 2307..2369, 2312..2374, 2313..2372, 2455..2559, 2459..2554, 2460..2564		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.gs	Method	GENSCAN
Start	75	End	2627
GI	none	Score	.85
Exons	75..218, 330..374, 672..738, 1812..1883, 1993..2237, 2315..2372, 2460..2627		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	1812	End	2632
GI	none	Score	122
Exons	1812..1886, 1817..1882, 1986..2084, 1993..2118, 2188..2244, 2214..2243, 2313..2366, 2315..2365, 2460..2630, 2460..2630, 2462..2632, 2482..2631		

Seq. No.	43673	Seq. ID	OJ000350_48.0310.C14
Gene No.	91651	Strand	+
Start	1	End	2632
Name	OJ000350_48.0310.C14.o1.gp	Method	AAT/GAP
Start	2213	End	2566
GI	uC-osf1M202077c04b1	Score	275
Exons	2213..2237, 2315..2372, 2460..2566		
GI Descrip.	'6094553/gb\|AAF03495.1\|AC010676_5 3.0e-21 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43674	Seq. ID	OJ000350_48.0310.C15
Gene No.	91652	Strand	+
Start	281	End	394
Name	OJ000350_48.0310.C15.o1.gs	Method	GENSCAN

Start	281	End	394
GI	none	Score	.6
Exons	281..394		

Seq. No.	43674	Seq. ID	OJ000350_48.0310.C15
Gene No.	91653	Strand	-
Start	1485	End	1624
Name	OJ000350_48.0310.C15.o2.gs	Method	GENSCAN
Start	1485	End	1624
GI	none	Score	.85
Exons	1485..1624		

Seq. No.	43675	Seq. ID	OJ000350_48.0310.C17
Gene No.	91654	Strand	+
Start	7	End	3204
Name	OJ000350_48.0310.C17.o1.gs	Method	GENSCAN
Start	7	End	3204
GI	none	Score	.63
Exons	7..195, 1408..1426, 2283..2414, 2745..2774, 3095..3204		

Seq. No.	43675	Seq. ID	OJ000350_48.0310.C17
Gene No.	91655	Strand	-
Start	872	End	2177
Name	OJ000350_48.0310.C17.o1.np	Method	AAT/NAP
Start	872	End	2177
GI	6815099	Score	83
Exons	872..998, 2107..2177		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43676	Seq. ID	OJ000350_48.0310.C18
Gene No.	91656	Strand	-
Start	2194	End	2335
Name	OJ000350_48.0310.C18.o1.gs	Method	GENSCAN
Start	2194	End	2335
GI	none	Score	.64
Exons	2194..2335		

Seq. No.	43677	Seq. ID	OJ000350_48.0310.C19
Gene No.	91657	Strand	-
Start	767	End	1096
Name	OJ000350_48.0310.C19.o1.gs	Method	GENSCAN
Start	767	End	1096
GI	none	Score	.72
Exons	767..852, 1036..1096		

Seq. No.	43678	Seq. ID	OJ000350_48.0310.C20
Gene No.	91658	Strand	-
Start	1	End	103
Name	OJ000350_48.0310.C20.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	LIB3477-003-P1-K1-E9	Score	181
Exons	1..103		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21

Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.gp	Method	AAT/GAP
Start	1	End	801
GI	553_1.R1084	Score	802
Exons	1..147, 228..350, 450..554, 713..801		
GI Descrip.	'218179/dbj\|BAA01058\| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21
Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.np	Method	AAT/NAP
Start	1	End	801
GI	218179	Score	656
Exons	1..147, 228..350, 450..554, 713..801		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi\|444339\|prf\|\|1906387A H ATPase [Oryza sativa]		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21
Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	18	End	801
GI	none	Score	166
Exons	18..146, 22..165, 225..353, 226..318, 227..349, 446..547, 447..554, 702..797, 710..799, 711..797, 712..801, 713..799		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21
Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	22	End	801
GI	none	Score	154
Exons	22..165, 30..146, 94..168, 225..371, 226..318, 227..349, 446..556, 447..557, 689..799, 712..801, 716..799		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21
Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	50	End	801
GI	none	Score	73
Exons	50..154, 58..165, 58..168, 118..174, 217..351, 225..353, 226..348, 227..349, 446..547, 447..554, 709..801, 712..759, 713..799		

Seq. No.	43679	Seq. ID	OJ000350_48.0310.C21
Gene No.	91659	Strand	+
Start	1	End	801
Name	OJ000350_48.0310.C21.o1.gs	Method	GENSCAN
Start	67	End	554
GI	none	Score	.86
Exons	67..147, 228..350, 450..554		

Seq. No.	43680	Seq. ID	OJ000350_48.0310.C26
Gene No.	91660	Strand	+

Start	110	End	984
Name	OJ000350_48.0310.C26.o1.np	Method	AAT/NAP
Start	110	End	984
GI	6815053	Score	372
Exons	110..256, 756..984		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	43680	Seq. ID	OJ000350_48.0310.C26
Gene No.	91661	Strand	-
Start	350	End	900
Name	OJ000350_48.0310.C26.o1.gs	Method	GENSCAN
Start	350	End	900
GI	none	Score	.41
Exons	350..415, 796..900		

Seq. No.	43681	Seq. ID	OJ000350_48.0310.C40
Gene No.	91662	Strand	+
Start	8	End	965
Name	OJ000350_48.0310.C40.o1.gs	Method	GENSCAN
Start	8	End	965
GI	none	Score	.46
Exons	8..238, 389..651, 707..965		

Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.gp	Method	AAT/GAP
Start	981	End	1389
GI	58038_1.R1084	Score	774
Exons	981..1389		
GI Descrip.	'3549666/emb\|CAA20577.1\| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.tm	Method	TBLASTX:Maize
Start	1103	End	1389
GI	none	Score	65
Exons	1103..1168, 1112..1168, 1163..1387, 1168..1389, 1211..1381, 1258..1389		

Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.gs	Method	GENSCAN
Start	1191	End	1310
GI	none	Score	.51
Exons	1191..1247, 1308..1310		

Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.np	Method	AAT/NAP
Start	1211	End	1389
GI	7452459	Score	194
Exons	1211..1389		

GI Descrip.	hypothetical protein T16L1.130 - Arabidopsis thaliana gi\|3549666\|emb\|CAA20577.1\| (AL031394) putative protein [Arabidopsis thaliana] gi\|7270312\|emb\|CAB80081.1\| (AL161583) putative protein [Arabidopsis thaliana]		
Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.tc	Method	TBLASTX:Cress
Start	1235	End	1389
GI	none	Score	130
Exons	1235..1387, 1261..1389		
Seq. No.	43682	Seq. ID	OJ000350_48.0310.C46
Gene No.	91663	Strand	-
Start	1191	End	1389
Name	OJ000350_48.0310.C46.o1.ts	Method	TBLASTX:Soybean
Start	1235	End	1389
GI	none	Score	156
Exons	1235..1387, 1261..1389, 1273..1389		
Seq. No.	43683	Seq. ID	OJ000350_48.0310.C47
Gene No.	91664	Strand	+
Start	1418	End	3710
Name	OJ000350_48.0310.C47.o1.gs	Method	GENSCAN
Start	1418	End	3710
GI	none	Score	.43
Exons	1418..1465, 1761..1900, 2744..2963, 3590..3710		
Seq. No.	43683	Seq. ID	OJ000350_48.0310.C47
Gene No.	91665	Strand	-
Start	462	End	2932
Name	OJ000350_48.0310.C47.o2.np	Method	AAT/NAP
Start	462	End	2932
GI	5777634	Score	70
Exons	462..523, 2153..2248, 2790..2932		
GI Descrip.	(AJ245900) CAA303722.1 protein [Oryza sativa]		
Seq. No.	43683	Seq. ID	OJ000350_48.0310.C47
Gene No.	91665	Strand	-
Start	462	End	2932
Name	OJ000350_48.0310.C47.o1.np	Method	AAT/NAP
Start	1606	End	1968
GI	7452459	Score	58
Exons	1606..1770, 1814..1968		
GI Descrip.	hypothetical protein T16L1.130 - Arabidopsis thaliana gi\|3549666\|emb\|CAA20577.1\| (AL031394) putative protein [Arabidopsis thaliana] gi\|7270312\|emb\|CAB80081.1\| (AL161583) putative protein [Arabidopsis thaliana]		
Seq. No.	43683	Seq. ID	OJ000350_48.0310.C47
Gene No.	91665	Strand	-
Start	462	End	2932
Name	OJ000350_48.0310.C47.o1.gp	Method	AAT/GAP
Start	1620	End	1981
GI	58038_1.R1084	Score	655
Exons	1620..1981		

GI Descrip. '3549666/emb|CAA20577.1| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.gp	Method	AAT/GAP
Start	1	End	621
GI	702460	Score	520
Exons	1..80, 171..193, 309..407, 515..621		
GI Descrip.	2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.np	Method	AAT/NAP
Start	32	End	3070
GI	2213597	Score	869
Exons	32..193, 309..407, 515..616, 973..1116, 1260..1354, 1452..1581, 1651..1755, 1964..2070, 2160..2211, 2560..2649, 2736..2820, 2910..3070		
GI Descrip.	(AC000348) T7N9.17 [Arabidopsis thaliana]		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.gs	Method	GENSCAN
Start	41	End	2974
GI	none	Score	.71
Exons	41..193, 309..407, 515..616, 973..1116, 1260..1447, 1452..1581, 1702..1755, 2560..2649, 2882..2974		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.tm	Method	TBLASTX:Maize
Start	348	End	2771
GI	none	Score	87
Exons	348..410, 357..422, 509..619, 512..616, 526..618, 964..1131, 967..1131, 1220..1351, 1252..1356, 1260..1361, 1261..1398, 1452..1544, 1453..1590, 1453..1584, 1648..1755, 1648..1755, 1961..2071, 1961..2071, 1968..2078, 2166..2207, 2171..2215, 2557..2640, 2559..2639, 2564..2647, 2567..2647, 2735..2770, 2735..2770, 2736..2771		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.ts	Method	TBLASTX:Soybean
Start	475	End	1566
GI	none	Score	136
Exons	475..588, 512..619, 512..616, 940..1140, 961..1122, 1226..1360, 1242..1361, 1263..1361, 1437..1532, 1438..1566, 1459..1539		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070

Name	OJ000350_48.0310.C48.o2.gp	Method	AAT/GAP
Start	955	End	2200
GI	20973_1.R1084	Score	1072
Exons	955..1116, 1260..1354, 1452..1581, 1651..1755, 1964..2070, 2160..2200		
GI Descrip.	'2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]'		

Seq. No.	43684	Seq. ID	OJ000350_48.0310.C48
Gene No.	91666	Strand	+
Start	1	End	3070
Name	OJ000350_48.0310.C48.o1.tc	Method	TBLASTX:Cress
Start	2565	End	2986
GI	none	Score	82
Exons	2565..2636, 2566..2652, 2730..2783, 2735..2806, 2736..2816, 2906..2986		

Seq. No.	43685	Seq. ID	OJ000350_48.0310.C49
Gene No.	91667	Strand	+
Start	2126	End	3334
Name	OJ000350_48.0310.C49.o1.gs	Method	GENSCAN
Start	2126	End	3334
GI	none	Score	.71
Exons	2126..2196, 2674..2739, 2923..2983, 3269..3334		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91669	Strand	+
Start	5477	End	9603
Name	OJ000350_48.0310.C50.o2.gs	Method	GENSCAN
Start	5477	End	9603
GI	none	Score	.57
Exons	5477..5562, 5714..5806, 6178..6863, 7030..7154, 7222..7407, 7478..7536, 7606..8367, 8491..8636, 8735..8990, 9126..9292, 9521..9603		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91669	Strand	+
Start	5477	End	9603
Name	OJ000350_48.0310.C50.o5.np	Method	AAT/NAP
Start	6170	End	8368
GI	6721561	Score	1080
Exons	6170..6238, 7222..7407, 7478..7536, 7606..8368		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91669	Strand	+
Start	5477	End	9603
Name	OJ000350_48.0310.C50.o4.np	Method	AAT/NAP
Start	6230	End	8249
GI	6721558	Score	255
Exons	6230..6329, 7030..7154, 7720..7817, 8141..8249		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91670	Strand	+
Start	18911	End	23809
Name	OJ000350_48.0310.C50.o6.gs	Method	GENSCAN
Start	18911	End	22791
GI	none	Score	.61
Exons	18911..19098, 19163..20279, 20617..22587, 22645..22791		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91670	Strand	+
Start	18911	End	23809
Name	OJ000350_48.0310.C50.o1.gp	Method	AAT/GAP
Start	19292	End	19685
GI	none	Score	763
Exons	19292..19685		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91670	Strand	+
Start	18911	End	23809
Name	OJ000350_48.0310.C50.o7.np	Method	AAT/NAP
Start	19848	End	21657
GI	7489509	Score	605
Exons	19848..20288, 20632..21657		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi\|2792238\|gb\|AAB96994.1\| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91670	Strand	+
Start	18911	End	23809
Name	OJ000350_48.0310.C50.o8.np	Method	AAT/NAP
Start	21145	End	23809
GI	2213599	Score	112
Exons	21145..21603, 23762..23809		
GI Descrip.	(AC000348) T7N9.19 [Arabidopsis thaliana]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91671	Strand	-
Start	1466	End	3917
Name	OJ000350_48.0310.C50.o1.np	Method	AAT/NAP
Start	1245	End	1329
GI	6721547	Score	91
Exons	1245..1329		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91671	Strand	-
Start	1466	End	3917
Name	OJ000350_48.0310.C50.o1.gs	Method	GENSCAN
Start	1466	End	3917
GI	none	Score	.92
Exons	1466..1507, 2827..3277, 3283..3917		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91671	Strand	-
Start	1466	End	3917

Name	OJ000350_48.0310.C50.o2.np	Method	AAT/NAP
Start	2602	End	3246
GI	6690749	Score	273
Exons	2602..2678, 2811..3246		
GI Descrip.	(AF197924) resistance protein [Elaeis guineensis]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91672	Strand	-
Start	5294	End	5781
Name	OJ000350_48.0310.C50.o3.np	Method	AAT/NAP
Start	5294	End	5781
GI	7523517	Score	244
Exons	5294..5348, 5494..5781		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91673	Strand	-
Start	9831	End	18720
Name	OJ000350_48.0310.C50.o6.np	Method	AAT/NAP
Start	9747	End	18720
GI	7228457	Score	2972
Exons	9747..11285, 11352..13014, 13069..14501, 15633..15710, 18668..18720		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91673	Strand	-
Start	9831	End	18720
Name	OJ000350_48.0310.C50.o3.gs	Method	GENSCAN
Start	9831	End	12693
GI	none	Score	.63
Exons	9831..10579, 10760..11933, 12092..12257, 12299..12693		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91673	Strand	-
Start	9831	End	18720
Name	OJ000350_48.0310.C50.o4.gs	Method	GENSCAN
Start	12946	End	13812
GI	none	Score	.98
Exons	12946..13812		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91673	Strand	-
Start	9831	End	18720
Name	OJ000350_48.0310.C50.o5.gs	Method	GENSCAN
Start	13917	End	16028
GI	none	Score	.96
Exons	13917..16028		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91674	Strand	-
Start	22436	End	22878
Name	OJ000350_48.0310.C50.o2.gp	Method	AAT/GAP
Start	22436	End	22878
GI	none	Score	853

Exons	22436..22878		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o6.tm	Method	TBLASTX:Maize
Start	2824	End	21003
GI	none	Score	60
Exons	2824..2883, 2878..3033, 3097..3237, 19857..19973, 20073..20228, 20223..20321, 20644..21003, 20667..20963		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o3.tw	Method	TBLASTX:Wheat
Start	9756	End	10364
GI	none	Score	62
Exons	9756..9887, 9757..9882, 9912..10364, 10108..10215, 10261..10350		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o6.tw	Method	TBLASTX:Wheat
Start	10488	End	10871
GI	none	Score	80
Exons	10488..10871, 10489..10638, 10675..10863		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o3.tm	Method	TBLASTX:Maize
Start	10566	End	10871
GI	none	Score	151
Exons	10566..10871, 10567..10854		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o10.tw	Method	TBLASTX:Wheat
Start	11014	End	11334
GI	none	Score	79
Exons	11014..11334, 11076..11333		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o7.tw	Method	TBLASTX:Wheat
Start	11373	End	11805
GI	none	Score	107
Exons	11373..11546, 11554..11805, 11556..11780		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o2.ts	Method	TBLASTX:Soybean
Start	11887	End	12280
GI	none	Score	83

Exons	11887..12279, 12128..12280		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o2.tw	Method	TBLASTX:Wheat
Start	11942	End	12363
GI	none	Score	265
Exons	11942..12319, 11944..12363		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o4.tm	Method	TBLASTX:Maize
Start	12040	End	12423
GI	none	Score	121
Exons	12040..12423, 12044..12319		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o2.tm	Method	TBLASTX:Maize
Start	12451	End	12807
GI	none	Score	225
Exons	12451..12807, 12452..12766		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o1.tw	Method	TBLASTX:Wheat
Start	12481	End	12937
GI	none	Score	363
Exons	12481..12936, 12482..12937		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o4.tw	Method	TBLASTX:Wheat
Start	13129	End	13584
GI	none	Score	105
Exons	13129..13365, 13144..13353, 13247..13363, 13402..13584, 13403..13576		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o8.tw	Method	TBLASTX:Wheat
Start	14043	End	14441
GI	none	Score	71
Exons	14043..14441, 14131..14316, 14389..14427		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o9.tw	Method	TBLASTX:Wheat
Start	20653	End	20940
GI	none	Score	94

Exons	20653..20790, 20809..20940		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o3.ts	Method	TBLASTX:Soybean
Start	20656	End	21606
GI	none	Score	86
Exons	20656..20781, 20670..20747, 20781..21029, 20794..21042, 21067..21117, 21295..21462, 21358..21468, 21484..21606		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o5.tm	Method	TBLASTX:Maize
Start	21295	End	21744
GI	none	Score	257
Exons	21295..21744, 21306..21527, 21561..21722		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o3.gp	Method	AAT/GAP
Start	23357	End	24585
GI	553_1.R1084	Score	1474
Exons	23357..23605, 23863..24041, 24138..24320, 24408..24585		
GI Descrip.	'218179/dbj\|BAA01058\| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o1.tm	Method	TBLASTX:Maize
Start	23484	End	24577
GI	none	Score	107
Exons	23484..23600, 23509..23607, 23510..23608, 23512..23607, 23848..24042, 23862..24041, 23864..24043, 23898..24047, 24127..24321, 24135..24320, 24139..24324, 24155..24325, 24396..24575, 24409..24534, 24409..24576, 24410..24577		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o1.ts	Method	TBLASTX:Soybean
Start	23509	End	24579
GI	none	Score	191
Exons	23509..23607, 23861..24040, 23862..24041, 23866..24042, 23898..24047, 23947..24042, 24127..24321, 24135..24320, 24139..24327, 24396..24578, 24415..24579		
Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o7.gs	Method	GENSCAN
Start	23509	End	24320
GI	none	Score	.97
Exons	23509..23605, 23863..24041, 24138..24320		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o10.np	Method	AAT/NAP
Start	23512	End	24585
GI	218179	Score	957
Exons	23512..23605, 23863..24041, 24138..24320, 24408..24585		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi\|444339\|prf\|\|1906387A H ATPase [Oryza sativa]		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o5.tw	Method	TBLASTX:Wheat
Start	23937	End	24320
GI	none	Score	75
Exons	23937..24023, 23946..24038, 23947..24042, 24138..24320, 24141..24314, 24157..24318		

Seq. No.	43686	Seq. ID	OJ000350_48.0310.C50
Gene No.	91675	Strand	-
Start	23509	End	24585
Name	OJ000350_48.0310.C50.o1.tc	Method	TBLASTX:Cress
Start	23979	End	24527
GI	none	Score	57
Exons	23979..24041, 23979..24047, 24127..24318, 24135..24332, 24141..24338, 24148..24333, 24396..24527, 24397..24525		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.gp	Method	AAT/GAP
Start	1	End	1175
GI	553_1.R1084	Score	1126
Exons	1..107, 217..298, 586..618, 706..944, 1032..1175		
GI Descrip.	'218179/dbj\|BAA01058\| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1174
GI	none	Score	55
Exons	1..57, 1..108, 11..109, 213..299, 215..274, 574..618, 578..613, 682..954, 707..952, 1033..1173, 1034..1174		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1175
GI	none	Score	134
Exons	1..108, 11..109, 213..299, 215..274, 571..618, 680..805, 682..954, 694..942, 707..946, 1033..1173, 1034..1174, 1038..1175		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.np	Method	AAT/NAP
Start	1	End	1175
GI	218179	Score	874
Exons	1..107, 217..298, 586..618, 706..944, 1032..1175		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi\|444339\|prf\|\|1906387A H ATPase [Oryza sativa]		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.tc	Method	TBLASTX:Cress
Start	1	End	1174
GI	none	Score	121
Exons	1..108, 8..109, 213..299, 215..274, 587..619, 680..802, 682..954, 707..952, 879..965, 1032..1154, 1033..1173, 1034..1174		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.tm	Method	TBLASTX:Maize
Start	4	End	1175
GI	none	Score	166
Exons	4..108, 5..109, 213..299, 213..323, 577..615, 682..954, 707..946, 709..951, 1033..1173, 1034..1174, 1035..1175		

Seq. No.	43687	Seq. ID	OJ000350_48.0310.C51
Gene No.	91676	Strand	-
Start	1	End	1175
Name	OJ000350_48.0310.C51.o1.gs	Method	GENSCAN
Start	217	End	1140
GI	none	Score	.9
Exons	217..298, 706..944, 1032..1140		

Seq. No.	43688	Seq. ID	OJ000350_48.0310.C52
Gene No.	91677	Strand	-
Start	688	End	778
Name	OJ000350_48.0310.C52.o1.gs	Method	GENSCAN
Start	688	End	778
GI	none	Score	.64
Exons	688..778		

Seq. No.	43689	Seq. ID	OJ000350_48.0310.C53
Gene No.	91678	Strand	+
Start	4	End	662
Name	OJ000350_48.0310.C53.o1.gs	Method	GENSCAN
Start	4	End	662
GI	none	Score	.53
Exons	4..60, 448..662		

Seq. No.	43690	Seq. ID	OJ000350_47.0308.C1
Gene No.	91679	Strand	-
Start	96	End	147
Name	OJ000350_47.0308.C1.o1.gs	Method	GENSCAN
Start	96	End	147

GI	none	Score	.78
Exons	96..147		

Seq. No.	43691	Seq. ID	OJ000350_47.0308.C3
Gene No.	91681	Strand	-
Start	1	End	657
Name	OJ000350_47.0308.C3.o1.np	Method	AAT/NAP
Start	1	End	657
GI	3776003	Score	443
Exons	1..87, 200..657		
GI Descrip.	(AJ010465) RNA helicase [Arabidopsis thaliana]		

Seq. No.	43691	Seq. ID	OJ000350_47.0308.C3
Gene No.	91681	Strand	-
Start	1	End	657
Name	OJ000350_47.0308.C3.o1.gs	Method	GENSCAN
Start	200	End	374
GI	none	Score	.51
Exons	200..374		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91682	Strand	+
Start	1320	End	9072
Name	OJ000350_47.0308.C4.o2.np	Method	AAT/NAP
Start	1320	End	4481
GI	7504627	Score	90
Exons	1320..1418, 1474..1621, 4444..4481		
GI Descrip.	hypothetical protein F58E10.3 - Caenorhabditis elegans gi\|3877954\|emb\|CAB04518.1\| (Z81555) similar to ATP-dependent helicase (DEAD box); cDNA EST yk436c8.5 comes from this gene; cDNA EST EMBL:D35872 comes from this gene; cDNA EST EMBL:D67566 comes from this gene; cDNA EST EMBL:D73766 comes from this gene; cDNA EST EMBL:D73777 comes >		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91682	Strand	+
Start	1320	End	9072
Name	OJ000350_47.0308.C4.o2.gs	Method	GENSCAN
Start	3793	End	8934
GI	none	Score	.77
Exons	3793..3885, 3975..4115, 5107..5239, 5746..6038, 6191..6308, 7243..7364, 7458..7523, 8546..8597, 8846..8934		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91683	Strand	-
Start	1	End	2486
Name	OJ000350_47.0308.C4.o1.np	Method	AAT/NAP
Start	1	End	2486
GI	6321856	Score	94
Exons	1..87, 148..233, 580..705, 932..1062, 2268..2486		
GI Descrip.	RRP3 is a DEAD box gene homologous to eIF-4a which encodes an RNA-dependent ATPase possessing helicase activity which is not specific for RNA; Rrp3p gi\|731667\|sp\|P38712\|RRP3_YEAST ATP-DEPENDENT RRNA HELICASE RRP3 gi\|626623\|pir\|\|S46713 hypothetical protein YHR065c - yeast (Saccharomyces cerevisiae) gi\|487961\|gb\|AAB68392.1\| (U00061) Yhr065cp [Saccharomyces cerevisia		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91683	Strand	-
Start	1	End	2486
Name	OJ000350_47.0308.C4.o1.gs	Method	GENSCAN
Start	39	End	2334
GI	none	Score	.85
Exons	39..167, 577..764, 1033..1233, 1325..1528, 2280..2334		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91684	Strand	-
Start	9595	End	10279
Name	OJ000350_47.0308.C4.o3.gs	Method	GENSCAN
Start	9595	End	10241
GI	none	Score	.85
Exons	9595..9733, 9871..10043, 10137..10241		

Seq. No.	43692	Seq. ID	OJ000350_47.0308.C4
Gene No.	91684	Strand	-
Start	9595	End	10279
Name	OJ000350_47.0308.C4.o3.np	Method	AAT/NAP
Start	9613	End	10279
GI	7487766	Score	202
Exons	9613..9733, 9871..10043, 10183..10279		
GI Descrip.	hypothetical protein T6K21.120 - Arabidopsis thaliana gi\|2894603\|emb\|CAA17137.1\| (AL021889) putative protein [Arabidopsis thaliana] gi\|7268546\|emb\|CAB78796.1\| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	43693	Seq. ID	OJ000350_47.0308.C5
Gene No.	91685	Strand	-
Start	1021	End	4034
Name	OJ000350_47.0308.C5.o2.gs	Method	GENSCAN
Start	1021	End	3426
GI	none	Score	.98
Exons	1021..1694, 2523..2751, 3178..3426		

Seq. No.	43693	Seq. ID	OJ000350_47.0308.C5
Gene No.	91685	Strand	-
Start	1021	End	4034
Name	OJ000350_47.0308.C5.o1.np	Method	AAT/NAP
Start	1027	End	4034
GI	7452059	Score	731
Exons	1027..1694, 2004..2156, 2523..2751, 3178..3341, 3948..4034		
GI Descrip.	hypothetical protein T9E8.70 - Arabidopsis thaliana gi\|4584538\|emb\|CAB40768.1\| (AL049608) hypothetical protein [Arabidopsis thaliana] gi\|7268036\|emb\|CAB78375.1\| (AL161536) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43693	Seq. ID	OJ000350_47.0308.C5
Gene No.	91686	Strand	-
Start	4449	End	8014
Name	OJ000350_47.0308.C5.o3.gs	Method	GENSCAN
Start	4687	End	8014
GI	none	Score	.51
Exons	4687..4837, 4949..5074, 5155..5249, 5330..5415, 5521..5676, 5791..6047, 6687..6872, 7707..8014		

Seq. No.	43693	Seq. ID	OJ000350_47.0308.C5
Gene No.	91686	Strand	-
Start	4449	End	8014
Name	OJ000350_47.0308.C5.o2.np	Method	AAT/NAP
Start	4690	End	5914
GI	7459612	Score	669
Exons	4690..4837, 4949..5074, 5155..5249, 5330..5415, 5521..5676, 5791..5914		
GI Descrip.	abscisic acid-induced protein - rice gi\|1177320\|emb\|CAA61981.1\| (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]		

Seq. No.	43694	Seq. ID	OJ000350_47.0308.C6
Gene No.	91687	Strand	+
Start	592	End	1462
Name	OJ000350_47.0308.C6.o1.gs	Method	GENSCAN
Start	592	End	1462
GI	none	Score	.82
Exons	592..714, 1059..1142, 1382..1462		

Seq. No.	43694	Seq. ID	OJ000350_47.0308.C6
Gene No.	91688	Strand	-
Start	637	End	2194
Name	OJ000350_47.0308.C6.o1.np	Method	AAT/NAP
Start	637	End	2194
GI	6907088	Score	489
Exons	637..1072, 1713..1881, 2057..2194		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43694	Seq. ID	OJ000350_47.0308.C6
Gene No.	91689	Strand	-
Start	2798	End	2886
Name	OJ000350_47.0308.C6.o2.gs	Method	GENSCAN
Start	2798	End	2886
GI	none	Score	.83
Exons	2798..2886		

Seq. No.	43695	Seq. ID	OJ000350_47.0308.C7
Gene No.	91690	Strand	-
Start	1136	End	2524
Name	OJ000350_47.0308.C7.o1.gs	Method	GENSCAN
Start	1136	End	2345
GI	none	Score	.96
Exons	1136..1289, 1427..1552, 1661..1755, 1859..1893, 2196..2345		

Seq. No.	43695	Seq. ID	OJ000350_47.0308.C7
Gene No.	91690	Strand	-
Start	1136	End	2524
Name	OJ000350_47.0308.C7.o1.np	Method	AAT/NAP
Start	1139	End	2524
GI	7459612	Score	1043
Exons	1139..1289, 1427..1552, 1661..1755, 1859..1944, 2196..2345, 2447..2524		
GI Descrip.	abscisic acid-induced protein - rice gi\|1177320\|emb\|CAA61981.1\| (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]		

Seq. No.	43696	Seq. ID	OJ000350_47.0308.C8

Gene No.	91691	Strand	+
Start	370	End	1359
Name	OJ000350_47.0308.C8.o1.gs	Method	GENSCAN
Start	370	End	1359
GI	none	Score	.91
Exons	370..576, 1090..1359		

Seq. No.	43697	Seq. ID	OJ000350_47.0308.C9
Gene No.	91692	Strand	+
Start	53	End	186
Name	OJ000350_47.0308.C9.o1.gs	Method	GENSCAN
Start	53	End	186
GI	none	Score	.68
Exons	53..186		

Seq. No.	43697	Seq. ID	OJ000350_47.0308.C9
Gene No.	91693	Strand	-
Start	982	End	3482
Name	OJ000350_47.0308.C9.o2.gs	Method	GENSCAN
Start	982	End	3451
GI	none	Score	.8
Exons	982..1476, 1560..2162, 2552..2887, 3018..3088, 3319..3451		

Seq. No.	43697	Seq. ID	OJ000350_47.0308.C9
Gene No.	91693	Strand	-
Start	982	End	3482
Name	OJ000350_47.0308.C9.o1.np	Method	AAT/NAP
Start	997	End	3454
GI	7446726	Score	1699
Exons	997..1476, 1560..2162, 2357..2464, 2552..2887, 3018..3088, 3319..3454		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2245004\|emb\|CAB10424.1\| (Z97341) membrane transporter like protein [Arabidopsis thaliana] gi\|7268398\|emb\|CAB78690.1\| (AL161544) membrane transporter like protein [Arabidopsis thaliana]		

Seq. No.	43698	Seq. ID	OJ000350_47.0308.C10
Gene No.	91694	Strand	+
Start	1271	End	2156
Name	OJ000350_47.0308.C10.o1.np	Method	AAT/NAP
Start	1271	End	2156
GI	7496721	Score	67
Exons	1271..1374, 2114..2156		
GI Descrip.	hypothetical protein C30E1.1 - Caenorhabditis elegans gi\|2435542\|gb\|AAB71254.1\| (AF026204) C30E1.1 gene product [Caenorhabditis elegans]		

Seq. No.	43698	Seq. ID	OJ000350_47.0308.C10
Gene No.	91695	Strand	-
Start	1012	End	1821
Name	OJ000350_47.0308.C10.o1.gs	Method	GENSCAN
Start	1012	End	1821
GI	none	Score	.55
Exons	1012..1067, 1806..1821		

Seq. No.	43699	Seq. ID	OJ000350_47.0308.C11

Gene No.	91697	Strand	-
Start	1	End	4000
Name	OJ000350_47.0308.C11.o1.np	Method	AAT/NAP
Start	1	End	2146
GI	7211986	Score	132
Exons	1..169, 1029..1332, 1644..1726, 1810..2146		
GI Descrip.	(AC004809) Contains similarity to the regulatory protein (G1) gb\|M97204 goliath from D. melanogaster. EST gb\|T76547 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	43699	Seq. ID	OJ000350_47.0308.C11
Gene No.	91697	Strand	-
Start	1	End	4000
Name	OJ000350_47.0308.C11.o1.gs	Method	GENSCAN
Start	48	End	3912
GI	none	Score	.89
Exons	48..162, 435..484, 1164..1250, 1623..1709, 1790..2414, 2828..3912		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91698	Strand	+
Start	2851	End	10669
Name	OJ000350_47.0308.C12.o2.np	Method	AAT/NAP
Start	2851	End	10669
GI	7228457	Score	3041
Exons	2851..2991, 5865..7327, 7385..9065, 9132..10669		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91700	Strand	-
Start	1083	End	4248
Name	OJ000350_47.0308.C12.o1.np	Method	AAT/NAP
Start	1122	End	3378
GI	4204286	Score	264
Exons	1122..1193, 1269..2061, 3332..3378		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91700	Strand	-
Start	1083	End	4248
Name	OJ000350_47.0308.C12.o1.gs	Method	GENSCAN
Start	1269	End	4248
GI	none	Score	.56
Exons	1269..2232, 2310..2435, 2750..2919, 3019..3270, 3608..3703, 3923..3978, 4155..4248		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91701	Strand	-
Start	11262	End	15014
Name	OJ000350_47.0308.C12.o3.gs	Method	GENSCAN
Start	11262	End	15014
GI	none	Score	.65
Exons	11262..11779, 11853..11970, 12241..12874, 12945..13003, 13037..13210, 13323..13447, 13615..13720, 13727..14299, 14563..14638, 14672..14744, 14921..15014		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91701	Strand	-
Start	11262	End	15014
Name	OJ000350_47.0308.C12.o3.np	Method	AAT/NAP
Start	12112	End	13324
GI	6721561	Score	969
Exons	12112..12874, 12945..13003, 13076..13324		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91701	Strand	-
Start	11262	End	15014
Name	OJ000350_47.0308.C12.o4.np	Method	AAT/NAP
Start	12231	End	14248
GI	6721558	Score	236
Exons	12231..12346, 12780..12870, 13323..13447, 14149..14248		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43700	Seq. ID	OJ000350_47.0308.C12
Gene No.	91702	Strand	-
Start	15079	End	15164
Name	OJ000350_47.0308.C12.o5.np	Method	AAT/NAP
Start	15079	End	15164
GI	6721512	Score	73
Exons	15079..15164		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43701	Seq. ID	OJ000350_47.0308.C14
Gene No.	91703	Strand	+
Start	40	End	292
Name	OJ000350_47.0308.C14.o1.gs	Method	GENSCAN
Start	40	End	292
GI	none	Score	.63
Exons	40..168, 170..292		

Seq. No.	43701	Seq. ID	OJ000350_47.0308.C14
Gene No.	91704	Strand	-
Start	1092	End	2746
Name	OJ000350_47.0308.C14.o2.gs	Method	GENSCAN
Start	1092	End	2490
GI	none	Score	.92
Exons	1092..1280, 1386..1553, 2392..2490		

Seq. No.	43701	Seq. ID	OJ000350_47.0308.C14
Gene No.	91704	Strand	-
Start	1092	End	2746
Name	OJ000350_47.0308.C14.o1.np	Method	AAT/NAP
Start	1116	End	2746
GI	1209703	Score	322
Exons	1116..1280, 1386..1639, 2616..2746		

GI Descrip. (U40489) maize gl1 homolog [Arabidopsis thaliana]

Seq. No.	43702	Seq. ID	OJ000350_47.0308.C16
Gene No.	91707	Strand	-
Start	3525	End	6486
Name	OJ000350_47.0308.C16.o2.gs	Method	GENSCAN
Start	3525	End	6486
GI	none	Score	.58
Exons	3525..3664, 3681..3884, 4433..4577, 5263..5379, 5748..5889, 6431..6486		

Seq. No.	43703	Seq. ID	OJ000350_47.0308.C17
Gene No.	91708	Strand	+
Start	1	End	1277
Name	OJ000350_47.0308.C17.o1.np	Method	AAT/NAP
Start	1	End	905
GI	7450344	Score	1443
Exons	1..905		
GI Descrip.	probable ammonium transport protein 1 - rice gi\|2160782\|gb\|AAB58937.1\| (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	43703	Seq. ID	OJ000350_47.0308.C17
Gene No.	91708	Strand	+
Start	1	End	1277
Name	OJ000350_47.0308.C17.o1.gs	Method	GENSCAN
Start	94	End	807
GI	none	Score	1
Exons	94..807		

Seq. No.	43704	Seq. ID	OJ000350_47.0308.C18
Gene No.	91709	Strand	+
Start	136	End	614
Name	OJ000350_47.0308.C18.o1.gs	Method	GENSCAN
Start	136	End	614
GI	none	Score	.47
Exons	136..247, 326..448, 529..614		

Seq. No.	43705	Seq. ID	OJ000350_47.0308.C19
Gene No.	91710	Strand	-
Start	1714	End	2151
Name	OJ000350_47.0308.C19.o1.gs	Method	GENSCAN
Start	1714	End	2151
GI	none	Score	.98
Exons	1714..2151		

Seq. No.	43705	Seq. ID	OJ000350_47.0308.C19
Gene No.	91711	Strand	-
Start	4184	End	5831
Name	OJ000350_47.0308.C19.o2.gs	Method	GENSCAN
Start	4184	End	5719
GI	none	Score	.46
Exons	4184..4389, 5566..5719		

Seq. No.	43706	Seq. ID	OJ000350_47.0308.C20
Gene No.	91712	Strand	+
Start	830	End	1503

Name	OJ000350_47.0308.C20.o1.gs	Method	GENSCAN
Start	830	End	1503
GI	none	Score	.67
Exons	830..861, 891..1503		

Seq. No.	43706	Seq. ID	OJ000350_47.0308.C20
Gene No.	91713	Strand	+
Start	3532	End	6809
Name	OJ000350_47.0308.C20.o2.np	Method	AAT/NAP
Start	3532	End	6809
GI	2398679	Score	146
Exons	3532..3556, 5324..5499, 6781..6809		
GI Descrip.	(Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]		

Seq. No.	43706	Seq. ID	OJ000350_47.0308.C20
Gene No.	91714	Strand	-
Start	1160	End	2512
Name	OJ000350_47.0308.C20.o1.np	Method	AAT/NAP
Start	1160	End	2296
GI	7228248	Score	79
Exons	1160..1207, 2170..2296		
GI Descrip.	(AL022580) hypothetical protein [Arabidopsis thaliana] gi\|7268722\|emb\|CAB78929.1\| (AL161550) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43706	Seq. ID	OJ000350_47.0308.C20
Gene No.	91714	Strand	-
Start	1160	End	2512
Name	OJ000350_47.0308.C20.o2.gs	Method	GENSCAN
Start	1968	End	2512
GI	none	Score	.41
Exons	1968..2278, 2356..2512		

Seq. No.	43706	Seq. ID	OJ000350_47.0308.C20
Gene No.	91715	Strand	-
Start	2799	End	5602
Name	OJ000350_47.0308.C20.o3.gs	Method	GENSCAN
Start	2799	End	5552
GI	none	Score	.54
Exons	2799..3158, 4286..4942, 5343..5397, 5464..5552		

Seq. No.	43707	Seq. ID	OJ000350_47.0308.C21
Gene No.	91716	Strand	+
Start	878	End	1736
Name	OJ000350_47.0308.C21.o1.gs	Method	GENSCAN
Start	878	End	1736
GI	none	Score	.87
Exons	878..1058, 1408..1736		

Seq. No.	43707	Seq. ID	OJ000350_47.0308.C21
Gene No.	91718	Strand	+
Start	3310	End	5657
Name	OJ000350_47.0308.C21.o1.np	Method	AAT/NAP
Start	3310	End	5657
GI	7486097	Score	293
Exons	3310..3341, 3429..3526, 5538..5657		

GI Descrip.	hypothetical protein F24L7.16 - Arabidopsis thaliana gi\|2914703\|gb\|AAC04493.1\| (AC003974) unknown protein [Arabidopsis thaliana]		
Seq. No.	43707	Seq. ID	OJ000350_47.0308.C21
Gene No.	91719	Strand	-
Start	3235	End	5656
Name	OJ000350_47.0308.C21.o2.gs	Method	GENSCAN
Start	3235	End	3986
GI	none	Score	.7
Exons	3235..3632, 3869..3986		
Seq. No.	43708	Seq. ID	OJ000350_47.0308.C22
Gene No.	91721	Strand	+
Start	1333	End	2572
Name	OJ000350_47.0308.C22.o1.np	Method	AAT/NAP
Start	1333	End	2572
GI	6907086	Score	1172
Exons	1333..2099, 2155..2572		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	43708	Seq. ID	OJ000350_47.0308.C22
Gene No.	91721	Strand	+
Start	1333	End	2572
Name	OJ000350_47.0308.C22.o1.gs	Method	GENSCAN
Start	1549	End	2082
GI	none	Score	.98
Exons	1549..2082		
Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91722	Strand	+
Start	218	End	1825
Name	OJ000350_47.0308.C23.o1.gs	Method	GENSCAN
Start	218	End	1773
GI	none	Score	.81
Exons	218..335, 733..982, 1104..1206, 1331..1433, 1560..1773		
Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91722	Strand	+
Start	218	End	1825
Name	OJ000350_47.0308.C23.o1.np	Method	AAT/NAP
Start	636	End	1825
GI	6118076	Score	267
Exons	636..982, 1104..1210, 1329..1433, 1560..1825		
GI Descrip.	(AF163097) dalcochinin 8'-O-beta-glucoside beta-glucosidase precursor [Dalbergia cochinchinensis]		
Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91723	Strand	+
Start	4118	End	11098
Name	OJ000350_47.0308.C23.o2.gs	Method	GENSCAN
Start	4118	End	11098
GI	none	Score	.7
Exons	4118..4301, 4385..4404, 4457..4630, 4685..4897, 4957..5023, 5101..5387, 6739..6908, 6913..7062, 7095..7497, 7885..7960, 8031..8105, 8202..8289, 8363..8615, 8783..8898, 9209..9461, 9556..9658, 10648..10756, 10876..11098		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91723	Strand	+
Start	4118	End	11098
Name	OJ000350_47.0308.C23.o2.np	Method	AAT/NAP
Start	7174	End	11068
GI	7435450	Score	1024
Exons	7174..7362, 7431..7497, 7648..7709, 7885..7960, 8031..8105, 8202..8289, 8363..8615, 8783..8898, 9209..9461, 9556..9658, 10648..10756, 10876..11068		
GI Descrip.	beta-glucosidase homolog F8K4.3 - Arabidopsis thaliana gi\|3367517\|gb\|AAC28502.1\| (AC004392) Similar to F4I1.26 putative beta-glucosidase gi\|3128187 from A. thaliana BAC gb\|AC004521. ESTs gb\|N97083, gb\|F19868 and gb\|F15482 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91724	Strand	+
Start	11183	End	11469
Name	OJ000350_47.0308.C23.o3.np	Method	AAT/NAP
Start	11183	End	11469
GI	6815099	Score	98
Exons	11183..11469		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91725	Strand	+
Start	14827	End	15396
Name	OJ000350_47.0308.C23.o5.gs	Method	GENSCAN
Start	14827	End	15396
GI	none	Score	.63
Exons	14827..15396		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91727	Strand	-
Start	11604	End	12178
Name	OJ000350_47.0308.C23.o3.gs	Method	GENSCAN
Start	11604	End	12178
GI	none	Score	.69
Exons	11604..11692, 12118..12178		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91728	Strand	-
Start	13036	End	15104
Name	OJ000350_47.0308.C23.o4.np	Method	AAT/NAP
Start	13016	End	15104
GI	7485674	Score	204
Exons	13016..13197, 13894..14048, 14915..15104		
GI Descrip.	hypothetical protein F17N18.90 - Arabidopsis thaliana gi\|4753654\|emb\|CAB41930.1\| (AL049751) putative protein [Arabidopsis thaliana] gi\|7268022\|emb\|CAB78362.1\| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	43709	Seq. ID	OJ000350_47.0308.C23
Gene No.	91728	Strand	-
Start	13036	End	15104
Name	OJ000350_47.0308.C23.o4.gs	Method	GENSCAN

Start	13036	End	14340
GI	none	Score	.87
Exons	13036..13197, 13894..14048, 14154..14340		

Seq. No.	43710	Seq. ID	OJ000350_47.0308.C24
Gene No.	91729	Strand	+
Start	1	End	5672
Name	OJ000350_47.0308.C24.o1.np	Method	AAT/NAP
Start	1	End	5672
GI	4689223	Score	780
Exons	1..812, 1947..3347, 5500..5549, 5617..5672		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	43710	Seq. ID	OJ000350_47.0308.C24
Gene No.	91730	Strand	-
Start	3842	End	5990
Name	OJ000350_47.0308.C24.o2.gs	Method	GENSCAN
Start	3842	End	5990
GI	none	Score	.91
Exons	3842..3906, 4698..5377, 5402..5918, 5939..5990		

Seq. No.	43710	Seq. ID	OJ000350_47.0308.C24
Gene No.	91731	Strand	-
Start	6928	End	11276
Name	OJ000350_47.0308.C24.o3.gs	Method	GENSCAN
Start	6928	End	11276
GI	none	Score	.52
Exons	6928..7769, 7842..8714, 9971..10148, 10887..11097, 11191..11276		

Seq. No.	43711	Seq. ID	OJ000350_47.0308.C25
Gene No.	91732	Strand	+
Start	2263	End	3117
Name	OJ000350_47.0308.C25.o1.gs	Method	GENSCAN
Start	2263	End	3117
GI	none	Score	.76
Exons	2263..2299, 2915..3117		

Seq. No.	43711	Seq. ID	OJ000350_47.0308.C25
Gene No.	91733	Strand	+
Start	3913	End	4308
Name	OJ000350_47.0308.C25.o2.gs	Method	GENSCAN
Start	3913	End	4308
GI	none	Score	.86
Exons	3913..4308		

Seq. No.	43712	Seq. ID	OJ000350_47.0308.C26
Gene No.	91734	Strand	+
Start	1	End	6773
Name	OJ000350_47.0308.C26.o1.np	Method	AAT/NAP
Start	1	End	3485
GI	7486585	Score	586
Exons	1..49, 1348..1400, 1505..1605, 1793..2057, 2103..2199, 2404..2689, 2972..3090, 3177..3485		
GI Descrip.	hypothetical protein F7J7.10 - Arabidopsis thaliana (fragment) gi\|3377941\|emb\|CAA17526.1\| (AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43712	Seq. ID	OJ000350_47.0308.C26
Gene No.	91734	Strand	+
Start	1	End	6773
Name	OJ000350_47.0308.C26.o1.gs	Method	GENSCAN
Start	280	End	3488
GI	none	Score	.78
Exons	280..350, 431..538, 555..644, 667..734, 887..964, 1151..1256, 1295..1400, 2291..2423, 2524..2689, 2972..3090, 3177..3488		

Seq. No.	43712	Seq. ID	OJ000350_47.0308.C26
Gene No.	91734	Strand	+
Start	1	End	6773
Name	OJ000350_47.0308.C26.o2.np	Method	AAT/NAP
Start	3013	End	6773
GI	4926828	Score	230
Exons	3013..3036, 4444..4563, 4706..5062, 5249..5360, 5437..5569, 5952..6071, 6728..6773		
GI Descrip.	(AC004135) T17H7.13 [Arabidopsis thaliana]		

Seq. No.	43712	Seq. ID	OJ000350_47.0308.C26
Gene No.	91734	Strand	+
Start	1	End	6773
Name	OJ000350_47.0308.C26.o2.gs	Method	GENSCAN
Start	4218	End	6645
GI	none	Score	.75
Exons	4218..4276, 4497..4563, 4706..4913, 5041..5186, 5208..5382, 5408..5569, 5952..6043, 6158..6214, 6297..6351, 6434..6645		

Seq. No.	43713	Seq. ID	OJ000350_47.0308.C27
Gene No.	91735	Strand	+
Start	94	End	2139
Name	OJ000350_47.0308.C27.o1.gs	Method	GENSCAN
Start	94	End	1780
GI	none	Score	.52
Exons	94..153, 1201..1441, 1625..1780		

Seq. No.	43713	Seq. ID	OJ000350_47.0308.C27
Gene No.	91735	Strand	+
Start	94	End	2139
Name	OJ000350_47.0308.C27.o1.np	Method	AAT/NAP
Start	94	End	2139
GI	4769012	Score	493
Exons	94..153, 1201..1423, 1547..1782, 2107..2139		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o3.np	Method	AAT/NAP
Start	1	End	3431
GI	4416301	Score	450
Exons	1..25, 1906..3431		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-

Start	1	End	3463
Name	OJ000350_42.0309.C2.o1.np	Method	AAT/NAP
Start	317	End	1309
GI	7489803	Score	1183
Exons	317..1309		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi\|3645899\|gb\|AAC49502.1\| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	328	End	891
GI	none	Score	55
Exons	328..399, 329..400, 399..611, 651..734, 667..735, 725..886,	400..615, 596..640, 599..706, 752..886, 760..891	

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o3.tm	Method	TBLASTX:Maize
Start	328	End	575
GI	none	Score	76
Exons	328..399, 329..400, 336..488,	398..532, 399..575, 400..561	

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o1.gs	Method	GENSCAN
Start	390	End	3463
GI	none	Score	.55
Exons	390..743, 779..1303, 1341..1461, 1606..1836, 1986..2215, 2234..2526, 2537..2962, 3013..3463		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	576	End	1057
GI	none	Score	156
Exons	576..728, 580..729, 582..731, 929..1057, 942..1049	737..934, 743..928, 750..938,	

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o3.tw	Method	TBLASTX:Wheat
Start	965	End	1279
GI	none	Score	76
Exons	965..1279, 1065..1190, 1245..1274		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	1058	End	1398

GI	none	Score	147
Exons	1058..1300, 1059..1295, 1320..1397, 1324..1398		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o2.np	Method	AAT/NAP
Start	1267	End	3420
GI	4416301	Score	454
Exons	1267..1539, 1904..3420		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o4.np	Method	AAT/NAP
Start	1704	End	3401
GI	7489737	Score	519
Exons	1704..1918, 2006..2467, 2498..3401		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi\|3645898\|gb\|AAC49501.1\| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o2.tw	Method	TBLASTX:Wheat
Start	2963	End	3358
GI	none	Score	59
Exons	2963..3355, 3261..3356, 3263..3358		

Seq. No.	43714	Seq. ID	OJ000350_42.0309.C2
Gene No.	91736	Strand	-
Start	1	End	3463
Name	OJ000350_42.0309.C2.o4.tm	Method	TBLASTX:Maize
Start	2966	End	3214
GI	none	Score	78
Exons	2966..3214, 2967..3143		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o1.np	Method	AAT/NAP
Start	1	End	2606
GI	6466937	Score	1398
Exons	1..2606		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o1.gs	Method	GENSCAN
Start	41	End	2442
GI	none	Score	.52
Exons	41..691, 997..1342, 1982..2442		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o3.tw	Method	TBLASTX:Wheat
Start	95	End	325
GI	none	Score	173
Exons	95..325		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o2.tm	Method	TBLASTX:Maize
Start	1338	End	1780
GI	none	Score	186
Exons	1338..1499, 1338..1499, 1481..1780, 1499..1750, 1501..1779		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o1.tw	Method	TBLASTX:Wheat
Start	1350	End	1726
GI	none	Score	137
Exons	1350..1499, 1353..1499, 1364..1552, 1478..1693, 1495..1722, 1502..1726		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o1.ts	Method	TBLASTX:Soybean
Start	1703	End	2061
GI	none	Score	221
Exons	1703..1948, 1711..1911, 1948..2061		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o2.tw	Method	TBLASTX:Wheat
Start	1775	End	2175
GI	none	Score	132
Exons	1775..1945, 1807..1911, 1939..2007, 1954..2175		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o1.tm	Method	TBLASTX:Maize
Start	1805	End	2331
GI	none	Score	157
Exons	1805..1942, 1807..1941, 1954..2331, 1989..2309		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o2.ts	Method	TBLASTX:Soybean
Start	2083	End	2328
GI	none	Score	207
Exons	2083..2328		

Seq. No.	43715	Seq. ID	OJ000350_42.0309.C3
Gene No.	91737	Strand	+
Start	1	End	2606
Name	OJ000350_42.0309.C3.o3.tm	Method	TBLASTX:Maize
Start	2331	End	2604
GI	none	Score	244
Exons	2331..2582, 2332..2604		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.gs	Method	GENSCAN
Start	814	End	1577
GI	none	Score	.88
Exons	814..979, 1068..1577		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.gp	Method	AAT/GAP
Start	818	End	1241
GI	22669_1.R1084	Score	547
Exons	818..979, 1068..1241		
GI Descrip.	'285636/dbj\|BAA03206\| 2.0e-21 (D14161) ORF [Hordeum vulgare]'		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	883	End	1225
GI	none	Score	97
Exons	883..981, 907..966, 1061..1225, 1066..1221		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	892	End	1189
GI	none	Score	96
Exons	892..981, 1061..1189, 1066..1167		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1525
GI	none	Score	84
Exons	921..992, 922..981, 1064..1225, 1066..1236, 1066..1245, 1082..1249, 1298..1525, 1318..1449		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	937	End	1222
GI	none	Score	54
Exons	937..981, 1061..1222, 1066..1221		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o1.np	Method	AAT/NAP
Start	940	End	1583
GI	7489382	Score	668
Exons	940..979, 1068..1583		
GI Descrip.	ids-4 protein - barley gi\|285636\|dbj\|BAA03206.1\| (D14161) ORF [Hordeum vulgare]		

Seq. No.	43716	Seq. ID	OJ000350_42.0309.C6
Gene No.	91738	Strand	+
Start	814	End	1583
Name	OJ000350_42.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	1329	End	1525
GI	none	Score	120
Exons	1329..1472, 1336..1473, 1337..1525, 1339..1464, 1430..1525		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91739	Strand	+
Start	485	End	957
Name	OJ000350_42.0309.C7.o1.gp	Method	AAT/GAP
Start	485	End	957
GI	none	Score	834
Exons	485..957		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91740	Strand	+
Start	3216	End	3302
Name	OJ000350_42.0309.C7.o3.gp	Method	AAT/GAP
Start	3216	End	3302
GI	46509_1.R1084	Score	116
Exons	3216..3302		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91741	Strand	+
Start	7201	End	13041
Name	OJ000350_42.0309.C7.o2.np	Method	AAT/NAP
Start	7183	End	13041
GI	3775987	Score	2144
Exons	7183..7470, 7498..7593, 8598..8726, 8818..9240, 9650..9748, 10054..10278, 10647..11024, 11407..11550, 11827..11922, 12223..12340, 12371..12542, 12957..13041		
GI Descrip.	(AJ010457) RNA helicase [Arabidopsis thaliana]		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91741	Strand	+
Start	7201	End	13041
Name	OJ000350_42.0309.C7.o2.gs	Method	GENSCAN
Start	7201	End	13038
GI	none	Score	.85
Exons	7201..7701, 8598..8731, 8829..9240, 9650..9748, 10054..10278, 10647..11024, 11407..11550, 11827..11922, 12223..12313,		

12384..12542, 12960..13038

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91741	Strand	+
Start	7201	End	13041
Name	OJ000350_42.0309.C7.o6.gp	Method	AAT/GAP
Start	7431	End	9034
GI	286926	Score	867
Exons	7431..7593, 8598..8731, 8829..9034		
GI Descrip.	3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91741	Strand	+
Start	7201	End	13041
Name	OJ000350_42.0309.C7.o7.gp	Method	AAT/GAP
Start	10236	End	12520
GI	8497_1.R1084	Score	1755
Exons	10236..10278, 10647..11024, 11407..11550, 11827..11922, 12223..12520		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91742	Strand	-
Start	694	End	4138
Name	OJ000350_42.0309.C7.o1.np	Method	AAT/NAP
Start	694	End	4002
GI	6671963	Score	1132
Exons	694..1008, 1116..1349, 1505..1790, 1924..2073, 3221..3294, 3847..4002		
GI Descrip.	(AC013454) unknown protein [Arabidopsis thaliana]		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91742	Strand	-
Start	694	End	4138
Name	OJ000350_42.0309.C7.o1.gs	Method	GENSCAN
Start	709	End	3999
GI	none	Score	.88
Exons	709..1008, 1116..1349, 2001..2073, 3221..3294, 3847..3999		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91742	Strand	-
Start	694	End	4138
Name	OJ000350_42.0309.C7.o2.gp	Method	AAT/GAP
Start	2721	End	2891
GI	12650_1.R1084	Score	214
Exons	2721..2891		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91742	Strand	-
Start	694	End	4138
Name	OJ000350_42.0309.C7.o5.gp	Method	AAT/GAP

Start	3579	End	4138
GI	46509_1.R1084	Score	555
Exons	3579..3602, 3840..4138		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91742	Strand	-
Start	694	End	4138
Name	OJ000350_42.0309.C7.o4.gp	Method	AAT/GAP
Start	3580	End	4138
GI	46509_1.R1084	Score	553
Exons	3580..3602, 3840..4138		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	831	End	3939
GI	none	Score	148
Exons	831..1010, 832..1011, 958..1011, 1116..1352, 1116..1352, 1120..1356, 1500..1790, 1505..1798, 1506..1805, 1905..2072, 1922..1990, 1923..2072, 1924..2076, 3217..3291, 3218..3295, 3220..3309, 3221..3295, 3827..3925, 3844..3930, 3844..3939		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o2.tc	Method	TBLASTX:Cress
Start	1156	End	2223
GI	none	Score	160
Exons	1156..1356, 1157..1351, 1158..1352, 1503..1709, 1505..1717, 1505..1732, 1506..1745, 2029..2223		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	1182	End	1977
GI	none	Score	105
Exons	1182..1352, 1197..1352, 1198..1356, 1204..1353, 1505..1804, 1506..1799, 1923..1976, 1924..1977		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	7369	End	13032
GI	none	Score	65
Exons	7369..7422, 7510..7593, 8595..8711, 8597..8713, 8826..9242, 8851..9243, 8920..9246, 9041..9256, 9650..9751, 9706..9753, 10046..10216, 10053..10280, 10054..10281, 10647..11024, 10649..10687, 10733..10978, 11404..11565, 11404..11535,		

11406..11546, 11824..11925, 12153..12284, 12220..12267,
12401..12421, 12964..13032

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o4.tm	Method	TBLASTX:Maize
Start	7369	End	7594
GI	none	Score	79
Exons	7369..7416, 7492..7593, 7493..7594		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	8613	End	9171
GI	none	Score	176
Exons	8613..8732, 8615..8749, 8617..8733, 8793..9170, 8832..9161, 8848..9171		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o3.ts	Method	TBLASTX:Soybean
Start	8619	End	9108
GI	none	Score	94
Exons	8619..8705, 8832..8876, 8832..8897, 8883..9104, 8896..9108, 8920..9108		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o1.tw	Method	TBLASTX:Wheat
Start	8940	End	10784
GI	none	Score	220
Exons	8940..9014, 8941..9234, 8974..9180, 9060..9182, 9167..9229, 10150..10302, 10647..10784		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o2.ts	Method	TBLASTX:Soybean
Start	9110	End	13029
GI	none	Score	194
Exons	9110..9241, 9111..9242, 9112..9243, 9650..9751, 10053..10280, 10054..10281, 10647..11024, 10647..11033, 10733..11035, 10888..11061, 10889..11026, 11403..11435, 11404..11457, 11449..11565, 11457..11552, 11824..11925, 12220..12267, 12222..12275, 12401..12430, 12958..13029		

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	9171	End	12523
GI	none	Score	121
Exons	9171..9242, 9172..9243, 9179..9256, 9648..9749, 9650..9751,		

9654..9755, 9700..9750, 10052..10276, 10053..10274,
10053..10277, 10054..10281, 10645..11028, 10647..11024,
10648..11025, 11313..11354, 11403..11552, 11404..11565,
11539..11586, 11827..11925, 11831..11911, 12218..12277,
12222..12425, 12222..12278, 12299..12433, 12352..12441,
12416..12487, 12425..12523, 12455..12523

Seq. No.	43717	Seq. ID	OJ000350_42.0309.C7
Gene No.	91743	Strand	-
Start	13026	End	13288
Name	OJ000350_42.0309.C7.o8.gp	Method	AAT/GAP
Start	13026	End	13288
GI	none	Score	504
Exons	13026..13288		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91744	Strand	+
Start	419	End	9254
Name	OJ000350_42.0309.C8.o1.gs	Method	GENSCAN
Start	419	End	9254
GI	none	Score	.46
Exons	419..589, 1706..1833, 4169..4282, 5396..5513, 6206..6370, 8659..8713, 8742..8796, 8932..9000, 9143..9254		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91744	Strand	+
Start	419	End	9254
Name	OJ000350_42.0309.C8.o1.gp	Method	AAT/GAP
Start	6104	End	6455
GI	none	Score	651
Exons	6104..6455		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91745	Strand	+
Start	11315	End	12265
Name	OJ000350_42.0309.C8.o2.gs	Method	GENSCAN
Start	11315	End	12265
GI	none	Score	1
Exons	11315..12265		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91746	Strand	+
Start	12953	End	14581
Name	OJ000350_42.0309.C8.o2.gp	Method	AAT/GAP
Start	12909	End	14581
GI	8163_1.R1084	Score	1200
Exons	12909..13153, 13576..13737, 14332..14581		
GI Descrip.	'5733872/gb\|AAD49760.1\|AC007932_8 8.0e-27 (AC007932) Similar to gi_4982048 ribosomal protein L18 from Thermotoga maritima genome gb_AE001798. ESTs gb_Z35613, gb_T75951, gb_T22182, gb_T45962, gb_H76281 and gb_AI100025 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91746	Strand	+
Start	12953	End	14581
Name	OJ000350_42.0309.C8.o3.gs	Method	GENSCAN

Start	12953	End	14481
GI	none	Score	.79
Exons	12953..13237, 13576..13737, 14332..14481		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91746	Strand	+
Start	12953	End	14581
Name	OJ000350_42.0309.C8.o1.np	Method	AAT/NAP
Start	12956	End	14478
GI	5733872	Score	393
Exons	12956..13153, 13576..13737, 14332..14478		
GI Descrip.	(AC007932) Similar to gi\|4982048 ribosomal protein L18 from Thermotoga maritima genome gb\|AE001798. ESTs gb\|Z35613, gb\|T75951, gb\|T22182, gb\|T45962, gb\|H76281 and gb\|AI100025 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91747	Strand	+
Start	18335	End	21063
Name	OJ000350_42.0309.C8.o5.gs	Method	GENSCAN
Start	18335	End	21063
GI	none	Score	.66
Exons	18335..18338, 19264..19886, 19953..20147, 20221..21063		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91747	Strand	+
Start	18335	End	21063
Name	OJ000350_42.0309.C8.o2.np	Method	AAT/NAP
Start	19467	End	21007
GI	7329666	Score	700
Exons	19467..19847, 19953..20147, 20221..21007		
GI Descrip.	(AL162351) (1-4)-beta-mannan endohydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91748	Strand	-
Start	15700	End	17258
Name	OJ000350_42.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	12949	End	13742
GI	none	Score	77
Exons	12949..13008, 12950..13015, 13081..13155, 13106..13201, 13573..13737, 13574..13732, 13575..13742		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91748	Strand	-
Start	15700	End	17258
Name	OJ000350_42.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	13562	End	14544
GI	none	Score	197
Exons	13562..13684, 13573..13737, 13575..13733, 14331..14468, 14332..14544, 14341..14478		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91748	Strand	-
Start	15700	End	17258
Name	OJ000350_42.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	14308	End	14534

GI	none	Score	289
Exons	14308..14532, 14331..14534, 14332..14529		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91748	Strand	-
Start	15700	End	17258
Name	OJ000350_42.0309.C8.o4.gs	Method	GENSCAN
Start	15700	End	17258
GI	none	Score	.57
Exons	15700..15723, 16100..16133, 16966..17083, 17237..17258		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	
Start	19616	End	20911
Name	OJ000350_42.0309.C8.o4.tm	Method	TBLASTX:Maize
Start	19616	End	19988
GI	none	Score	36
Exons	19616..19642, 19617..19643, 19637..19846, 19641..19847, 19950..19988, 19952..19987		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	
Start	19616	End	20911
Name	OJ000350_42.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	19644	End	20911
GI	none	Score	172
Exons	19644..19847, 19754..19822, 19950..20147, 19952..20107, 20215..20400, 20220..20387, 20389..20448, 20483..20779, 20512..20691, 20681..20803, 20689..20793, 20777..20911		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	
Start	19616	End	20911
Name	OJ000350_42.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	19644	End	20042
GI	none	Score	144
Exons	19644..19850, 19950..20042		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	
Start	19616	End	20911
Name	OJ000350_42.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	20046	End	20463
GI	none	Score	120
Exons	20046..20165, 20215..20400, 20220..20384, 20395..20463		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	
Start	19616	End	20911
Name	OJ000350_42.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	20215	End	20809
GI	none	Score	205
Exons	20215..20385, 20223..20384, 20392..20451, 20483..20557, 20564..20668, 20690..20809		

Seq. No.	43718	Seq. ID	OJ000350_42.0309.C8
Gene No.	91749	Strand	

Start	19616	End	20911
Name	OJ000350_42.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	20247	End	20641
GI	none	Score	179
Exons	20247..20384, 20248..20385, 20392..20430, 20486..20641, 20518..20640		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91750	Strand	+
Start	591	End	3571
Name	OJ000350_42.0309.C9.o1.np	Method	AAT/NAP
Start	591	End	3375
GI	7329666	Score	742
Exons	591..637, 1163..1492, 1579..1773, 1875..2577, 3296..3375		
GI Descrip.	(AL162351) (1-4)-beta-mannan endohydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91750	Strand	+
Start	591	End	3571
Name	OJ000350_42.0309.C9.o1.gp	Method	AAT/GAP
Start	1201	End	1270
GI	426204	Score	119
Exons	1201..1270		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91750	Strand	+
Start	591	End	3571
Name	OJ000350_42.0309.C9.o1.gs	Method	GENSCAN
Start	1203	End	3571
GI	none	Score	.46
Exons	1203..1492, 1579..1773, 1875..2684, 3554..3571		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91750	Strand	+
Start	591	End	3571
Name	OJ000350_42.0309.C9.o2.gp	Method	AAT/GAP
Start	2233	End	2700
GI	LIB3432-041-P1-K1-D3	Score	869
Exons	2233..2700		
GI Descrip.	'5302783/emb\|CAB46032.1\| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]'		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91751	Strand	+
Start	5019	End	9697
Name	OJ000350_42.0309.C9.o2.np	Method	AAT/NAP
Start	4986	End	9682
GI	7486735	Score	1979
Exons	4986..5177, 7514..9682		
GI Descrip.	hypothetical protein F9D16.170 - Arabidopsis thaliana gi\|4454039\|emb\|CAA23036.1\| (AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana] gi\|7269218\|emb\|CAB79325.1\| (AL161559) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9

Gene No.	91751	Strand	+
Start	5019	End	9697
Name	OJ000350_42.0309.C9.o2.gs	Method	GENSCAN
Start	5019	End	9697
GI	none	Score	.99
Exons	5019..5177, 7514..9697		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	1231	End	2561
GI	none	Score	244
Exons	1231..1476, 1289..1492, 1576..1773, 1578..1772, 1860..2099, 1877..2041, 2129..2341, 2130..2429, 2331..2453, 2339..2443, 2427..2561		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o3.tm	Method	TBLASTX:Maize
Start	1232	End	1614
GI	none	Score	58
Exons	1232..1282, 1241..1288, 1288..1491, 1289..1492, 1576..1614, 1578..1613		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o3.tc	Method	TBLASTX:Cress
Start	1289	End	1632
GI	none	Score	233
Exons	1289..1492, 1306..1488, 1576..1632, 1578..1622		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	1666	End	2204
GI	none	Score	75
Exons	1666..1782, 1698..1781, 1850..1966, 1857..2114, 1860..1985, 1871..2053, 2109..2204		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	1862	End	2459
GI	none	Score	103
Exons	1862..1978, 1869..2102, 1874..2056, 2127..2207, 2156..2206, 2214..2318, 2216..2317, 2340..2459, 2340..2459		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	1899	End	2291

GI	none	Score	73
Exons	1899..1982, 1901..1975, 1901..2056, 1902..2081, 2055..2291, 2156..2290		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o4.tc	Method	TBLASTX:Cress
Start	5018	End	7884
GI	none	Score	181
Exons	5018..5176, 5019..5177, 7504..7611, 7508..7726, 7792..7884, 7793..7882		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o4.tm	Method	TBLASTX:Maize
Start	7679	End	7990
GI	none	Score	64
Exons	7679..7738, 7742..7939, 7801..7986, 7883..7990		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	8248	End	8581
GI	none	Score	380
Exons	8248..8580, 8249..8581		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	8510	End	9235
GI	none	Score	133
Exons	8510..8614, 8512..8607, 8537..8755, 8623..8742, 8756..8863, 8915..9235, 8920..9198		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	8584	End	9268
GI	none	Score	325
Exons	8584..8859, 8585..8860, 8914..9189, 8915..9268		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	8651	End	9064
GI	none	Score	118
Exons	8651..8749, 8744..8866, 8755..8847, 8915..9064, 8941..9063		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582

Name	OJ000350_42.0309.C9.o4.ts	Method	TBLASTX:Soybean
Start	9092	End	9298
GI	none	Score	234
Exons	9092..9298, 9103..9198		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	9118	End	9471
GI	none	Score	225
Exons	9118..9297, 9119..9298, 9367..9471		

Seq. No.	43719	Seq. ID	OJ000350_42.0309.C9
Gene No.	91752	Strand	-
Start	9989	End	12582
Name	OJ000350_42.0309.C9.o3.gs	Method	GENSCAN
Start	9989	End	12582
GI	none	Score	.78
Exons	9989..9992, 10446..10559, 11314..11399, 12285..12458, 12538..12582		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91753	Strand	+
Start	1	End	2028
Name	OJ000350_42.0309.C10.o1.np	Method	AAT/NAP
Start	1	End	2028
GI	282881	Score	753
Exons	1..2028		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91753	Strand	+
Start	1	End	2028
Name	OJ000350_42.0309.C10.o2.np	Method	AAT/NAP
Start	1	End	1989
GI	7428024	Score	543
Exons	1..28, 914..1029, 1061..1989		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) T20K24.15 precursor - Arabidopsis thaliana gi\|3176715\|gb\|AAD12030.1\| (AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91753	Strand	+
Start	1	End	2028
Name	OJ000350_42.0309.C10.o1.gs	Method	GENSCAN
Start	178	End	1992
GI	none	Score	.44
Exons	178..1992		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91754	Strand	+
Start	3079	End	3279
Name	OJ000350_42.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	25	End	1977

GI	none	Score	117
Exons	25..183, 745..798, 1084..1188, 1116..1187, 1189..1398, 1215..1397, 1414..1746, 1458..1742, 1501..1746, 1777..1839, 1831..1977		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91754	Strand	+
Start	3079	End	3279
Name	OJ000350_42.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	1150	End	1740
GI	none	Score	203
Exons	1150..1407, 1152..1340, 1420..1740, 1494..1586		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91754	Strand	+
Start	3079	End	3279
Name	OJ000350_42.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	1260	End	1650
GI	none	Score	457
Exons	1260..1583, 1261..1650, 1414..1650		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91754	Strand	+
Start	3079	End	3279
Name	OJ000350_42.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	1342	End	2040
GI	none	Score	73
Exons	1342..1398, 1399..1584, 1458..1586, 1600..1824, 1638..1739, 1828..2040		

Seq. No.	43720	Seq. ID	OJ000350_42.0309.C10
Gene No.	91754	Strand	+
Start	3079	End	3279
Name	OJ000350_42.0309.C10.o2.gs	Method	GENSCAN
Start	3079	End	3279
GI	none	Score	.7
Exons	3079..3279		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91755	Strand	+
Start	5566	End	6001
Name	OJ000350_42.0309.C11.o2.gp	Method	AAT/GAP
Start	5566	End	6001
GI	uC-osf1cyp067a05a1	Score	854
Exons	5566..6001		
GI Descrip.	'407940 2.0e-16 (U02495) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91756	Strand	+
Start	9016	End	10070
Name	OJ000350_42.0309.C11.o3.gs	Method	GENSCAN
Start	9016	End	10070
GI	none	Score	.68
Exons	9016..9073, 9334..9621, 9799..10070		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91757	Strand	+

Start	11404	End	11941
Name	OJ000350_42.0309.C11.o5.gs	Method	GENSCAN
Start	11404	End	11941
GI	none	Score	.87
Exons	11404..11479, 11580..11941		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91758	Strand	+
Start	14682	End	28086
Name	OJ000350_42.0309.C11.o7.gs	Method	GENSCAN
Start	14682	End	22297
GI	none	Score	.57
Exons	14682..14711, 14902..14938, 15305..15373, 15700..15842, 16127..17137, 17326..17354, 17973..18023, 18389..18641, 18647..18776, 19292..19361, 20781..20918, 20962..21084, 21751..21859, 21905..22297		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91758	Strand	+
Start	14682	End	28086
Name	OJ000350_42.0309.C11.o3.np	Method	AAT/NAP
Start	16127	End	20051
GI	6983860	Score	1006
Exons	16127..17170, 20016..20051		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91758	Strand	+
Start	14682	End	28086
Name	OJ000350_42.0309.C11.o4.np	Method	AAT/NAP
Start	21546	End	28086
GI	5803259	Score	1913
Exons	21546..22435, 25461..25823, 25918..26088, 26147..27039, 27133..27306, 27412..28086		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o2.gs	Method	GENSCAN
Start	2659	End	8338
GI	none	Score	.81
Exons	2659..2774, 2853..2970, 3074..3124, 3992..4044, 4764..4938, 5055..5175, 5754..6032, 6846..7078, 7772..7954, 8036..8338		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o1.np	Method	AAT/NAP
Start	2665	End	5162
GI	5302783	Score	601
Exons	2665..2774, 2853..2970, 3074..3124, 3509..3571, 3992..4044, 4764..4938, 5055..5162		
GI Descrip.	(Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11

Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o1.gp	Method	AAT/GAP
Start	4734	End	5179
GI	426881	Score	468
Exons	4734..4938, 5055..5179		
GI Descrip.	5302783/emb\|CAB46032.1\| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o2.np	Method	AAT/NAP
Start	7760	End	14217
GI	5302785	Score	1129
Exons	7760..7954, 8030..8341, 10597..11043, 12611..12817, 13424..13703, 14065..14217		
GI Descrip.	(Z97340) putative epoxide hydrolase [Arabidopsis thaliana]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o4.gs	Method	GENSCAN
Start	10543	End	10812
GI	none	Score	.79
Exons	10543..10812		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91759	Strand	-
Start	2659	End	14217
Name	OJ000350_42.0309.C11.o6.gs	Method	GENSCAN
Start	12342	End	13738
GI	none	Score	.92
Exons	12342..12353, 12611..12811, 13424..13738		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91760	Strand	-
Start	16221	End	16708
Name	OJ000350_42.0309.C11.o3.gp	Method	AAT/GAP
Start	16221	End	16708
GI	uC-osf1cyp162a07a1	Score	682
Exons	16221..16448, 16548..16708		
GI Descrip.	'4680179/gb\|AAD27547.1\|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91761	Strand	-
Start	23271	End	23702
Name	OJ000350_42.0309.C11.o5.gp	Method	AAT/GAP
Start	23271	End	23702
GI	2428185	Score	721
Exons	23271..23702		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-

Start	28707	End	35367
Name	OJ000350_42.0309.C11.o3.tm	Method	TBLASTX:Maize
Start	2638	End	5124
GI	none	Score	185
Exons	2638..2775, 2639..2776, 2849..2980, 2851..2976, 3071..3124, 3072..3134, 3506..3571, 3507..3572, 3509..3586, 3511..3585, 3983..4045, 3993..4046, 3999..4046, 4000..4047, 4759..4830, 4762..4941, 4763..4939, 4876..4941, 5053..5124, 5055..5123		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o3.ts	Method	TBLASTX:Soybean
Start	2674	End	5124
GI	none	Score	96
Exons	2674..2775, 2684..2776, 2849..2974, 2851..2976, 3058..3102, 3059..3124, 3506..3571, 3515..3586, 3992..4045, 4759..4830, 4762..4884, 4891..4941, 4892..4939, 5053..5124, 5055..5123		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o3.tc	Method	TBLASTX:Cress
Start	3503	End	5124
GI	none	Score	38
Exons	3503..3565, 3980..4045, 4762..4884, 4763..4807, 4891..4941, 4892..4939, 5053..5124, 5055..5123		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o6.tw	Method	TBLASTX:Wheat
Start	4007	End	32860
GI	none	Score	153
Exons	4007..4045, 4014..4046, 4756..4941, 4762..4941, 5053..5124, 5055..5144, 5055..5123, 32756..32860		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	5780	End	12673
GI	none	Score	136
Exons	5780..6031, 5789..6031, 5790..6032, 5958..6032, 6845..6949, 10561..10899, 10721..10849, 12611..12673		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o2.tc	Method	TBLASTX:Cress
Start	5786	End	10899
GI	none	Score	132
Exons	5786..6037, 5789..6037, 6848..6952, 10561..10899, 10691..10846		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367

Name	OJ000350_42.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	5789	End	12820
GI	none	Score	126
Exons	5789..6040, 5789..6040, 5790..6041, 6848..6955, 7770..7838, 7772..7837, 7850..7993, 7850..7942, 10561..10896, 10562..10627, 10697..10849, 10741..10881, 10948..11070, 10949..11056, 12609..12818, 12611..12817, 12671..12820		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o4.tw	Method	TBLASTX:Wheat
Start	5789	End	10857
GI	none	Score	133
Exons	5789..6043, 5789..6043, 5811..6047, 6845..6889, 10561..10857, 10697..10849		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	7778	End	13702
GI	none	Score	95
Exons	7778..7804, 7808..7942, 7827..7982, 7929..7961, 8084..8269, 8085..8273, 8261..8314, 12617..12643, 12690..12812, 12710..12817, 12725..12814, 12913..12945, 13472..13627, 13473..13622, 13664..13702		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	7778	End	13708
GI	none	Score	68
Exons	7778..7855, 7842..7937, 7847..7939, 7853..7954, 7929..7964, 8084..8254, 8115..8255, 8255..8323, 8259..8315, 12686..12826, 12710..12823, 12711..12827, 13472..13627, 13503..13622, 13664..13708, 13671..13703		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o2.tm	Method	TBLASTX:Maize
Start	8084	End	13708
GI	none	Score	341
Exons	8084..8332, 8085..8333, 13472..13708, 13473..13703		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o11.tw	Method	TBLASTX:Wheat
Start	8108	End	13627
GI	none	Score	170
Exons	8108..8269, 8109..8273, 13487..13627, 13497..13622, 13574..13627		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-

Start	28707	End	35367
Name	OJ000350_42.0309.C11.o7.tw	Method	TBLASTX:Wheat
Start	16289	End	16645
GI	none	Score	288
Exons	16289..16645, 16297..16467, 16504..16644		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o7.tm	Method	TBLASTX:Maize
Start	16526	End	16816
GI	none	Score	207
Exons	16526..16789, 16552..16713, 16754..16816		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o9.gs	Method	GENSCAN
Start	28707	End	35367
GI	none	Score	.53
Exons	28707..29948, 30161..30522, 30607..31050, 31308..32124, 32257..32424, 32478..33106, 33215..33955, 34055..34475, 35224..35367		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o5.np	Method	AAT/NAP
Start	28710	End	34444
GI	7228457	Score	5756
Exons	28710..30258, 30325..31221, 31344..32177, 32241..33949, 34024..34444		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o8.tw	Method	TBLASTX:Wheat
Start	28719	End	29319
GI	none	Score	71
Exons	28719..28844, 28723..28842, 29031..29318, 29038..29178, 29092..29319, 29218..29316		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o3.tw	Method	TBLASTX:Wheat
Start	29322	End	29703
GI	none	Score	192
Exons	29322..29702, 29335..29601, 29647..29703		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o6.tm	Method	TBLASTX:Maize

Start	29506	End	29840
GI	none	Score	168
Exons	29506..29646, 29517..29840, 29530..29721		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o6.ts	Method	TBLASTX:Soybean
Start	30110	End	30676
GI	5666795	Score	56
Exons	30110..30298, 30347..30484, 30578..30676		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o5.tw	Method	TBLASTX:Wheat
Start	30347	End	30799
GI	none	Score	94
Exons	30347..30499, 30348..30488, 30558..30779, 30578..30799		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o4.ts	Method	TBLASTX:Soybean
Start	31151	End	31521
GI	none	Score	73
Exons	31151..31201, 31183..31521, 31400..31507		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o2.tw	Method	TBLASTX:Wheat
Start	31195	End	31599
GI	none	Score	274
Exons	31195..31599, 31232..31594		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o5.tm	Method	TBLASTX:Maize
Start	31273	End	31657
GI	none	Score	148
Exons	31273..31656, 31400..31657		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o4.tm	Method	TBLASTX:Maize
Start	31684	End	32040
GI	none	Score	190
Exons	31684..32040, 31694..31999		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o1.tw	Method	TBLASTX:Wheat

Start	31708	End	32170
GI	none	Score	319
Exons	31708..32169, 31709..32170		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o5.ts	Method	TBLASTX:Soybean
Start	31765	End	32130
GI	none	Score	113
Exons	31765..31899, 31906..32130		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o10.tw	Method	TBLASTX:Wheat
Start	32278	End	32590
GI	none	Score	107
Exons	32278..32517, 32297..32515, 32522..32590		

Seq. No.	43721	Seq. ID	OJ000350_42.0309.C11
Gene No.	91762	Strand	-
Start	28707	End	35367
Name	OJ000350_42.0309.C11.o9.tw	Method	TBLASTX:Wheat
Start	33384	End	33726
GI	none	Score	114
Exons	33384..33656, 33418..33657, 33624..33722, 33634..33726		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91763	Strand	+
Start	2978	End	3557
Name	OJ000350_42.0309.C12.o2.gs	Method	GENSCAN
Start	2978	End	3557
GI	none	Score	.4
Exons	2978..3173, 3178..3226, 3263..3557		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91764	Strand	-
Start	1074	End	1798
Name	OJ000350_42.0309.C12.o1.gs	Method	GENSCAN
Start	1074	End	1685
GI	none	Score	.95
Exons	1074..1245, 1258..1685		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91764	Strand	-
Start	1074	End	1798
Name	OJ000350_42.0309.C12.o1.gp	Method	AAT/GAP
Start	1334	End	1798
GI	29419_1.R1084	Score	914
Exons	1334..1798		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91765	Strand	-
Start	4472	End	7147

Name	OJ000350_42.0309.C12.o3.gs	Method	GENSCAN
Start	4472	End	7147
GI	none	Score	.84
Exons	4472..4482, 4614..4679, 6519..6733, 6936..7147		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91765	Strand	-
Start	4472	End	7147
Name	OJ000350_42.0309.C12.o1.np	Method	AAT/NAP
Start	6383	End	7118
GI	4105794	Score	329
Exons	6383..6733, 7045..7118		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	1143	End	1739
GI	none	Score	252
Exons	1143..1439, 1143..1538, 1144..1539, 1440..1739, 1555..1683		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	6425	End	10365
GI	none	Score	101
Exons	6425..6598, 6432..6590, 6597..6731, 6598..6732, 10068..10364, 10069..10182, 10279..10365		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	6425	End	10365
GI	none	Score	104
Exons	6425..6598, 6426..6596, 6597..6731, 6643..6732, 7043..7087, 10068..10364, 10264..10365		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	6428	End	10667
GI	none	Score	64
Exons	6428..6598, 6431..6505, 6438..6596, 6591..6731, 6604..6750, 7043..7087, 10062..10244, 10063..10212, 10236..10364, 10252..10365, 10617..10667		

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o1.tw	Method	TBLASTX:Wheat
Start	6430	End	10661
GI	none	Score	35
Exons	6430..6483, 6479..6598, 6480..6593, 6594..6731, 6597..6731,		

6601..6750, 6833..6856, 7043..7087, 7047..7088, 7134..7208, 10110..10364, 10117..10212, 10264..10365, 10617..10661

Seq. No.	43722	Seq. ID	OJ000350_42.0309.C12
Gene No.	91766	Strand	-
Start	10026	End	10685
Name	OJ000350_42.0309.C12.o2.np	Method	AAT/NAP
Start	10026	End	10685
GI	4105794	Score	254
Exons	10026..10366, 10619..10685		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91767	Strand	+
Start	1	End	114
Name	OJ000350_42.0309.C13.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	7406_1.R1084	Score	162
Exons	1..114		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91768	Strand	+
Start	551	End	3934
Name	OJ000350_42.0309.C13.o1.gs	Method	GENSCAN
Start	551	End	1102
GI	none	Score	.96
Exons	551..1102		

Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91768	Strand	+
Start	551	End	3934
Name	OJ000350_42.0309.C13.o1.np	Method	AAT/NAP
Start	638	End	3082
GI	7228438	Score	1838
Exons	638..1818, 3064..3082		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91768	Strand	+
Start	551	End	3934
Name	OJ000350_42.0309.C13.o2.gs	Method	GENSCAN
Start	1784	End	3934
GI	none	Score	.58
Exons	1784..1893, 2033..2222, 2299..2601, 2772..2972, 3053..3201, 3829..3934		

Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91768	Strand	+
Start	551	End	3934
Name	OJ000350_42.0309.C13.o2.gp	Method	AAT/GAP
Start	1815	End	3527
GI	LIB3431-045-P1-N1-A10	Score	627
Exons	1815..2055, 3418..3527		

GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91769	Strand	-
Start	6965	End	7620
Name	OJ000350_42.0309.C13.o2.np	Method	AAT/NAP
Start	6960	End	7620
GI	4105794	Score	348
Exons	6960..7320, 7547..7620		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91769	Strand	-
Start	6965	End	7620
Name	OJ000350_42.0309.C13.o3.gs	Method	GENSCAN
Start	6965	End	7270
GI	none	Score	.96
Exons	6965..7270		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91770	Strand	-
Start	8479	End	8588
Name	OJ000350_42.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	7022	End	7321
GI	none	Score	203
Exons	7022..7198, 7023..7199, 7191..7319, 7193..7318, 7265..7321		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91770	Strand	-
Start	8479	End	8588
Name	OJ000350_42.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	7022	End	7319
GI	none	Score	222
Exons	7022..7318, 7029..7319		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91770	Strand	-
Start	8479	End	8588
Name	OJ000350_42.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	7031	End	7319
GI	none	Score	232
Exons	7031..7318, 7035..7319		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91770	Strand	-
Start	8479	End	8588
Name	OJ000350_42.0309.C13.o1.tw	Method	TBLASTX:Wheat
Start	7064	End	7637
GI	none	Score	308
Exons	7064..7318, 7065..7319, 7549..7596, 7593..7637, 7594..7620		
Seq. No.	43723	Seq. ID	OJ000350_42.0309.C13
Gene No.	91770	Strand	-
Start	8479	End	8588
Name	OJ000350_42.0309.C13.o4.gs	Method	GENSCAN
Start	8479	End	8588

GI	none	Score	.88
Exons	8479..8588		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	1823
GI	6705984	Score	1110
Exons	1..1201, 1229..1823		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o1.gs	Method	GENSCAN
Start	226	End	1983
GI	none	Score	.54
Exons	226..431, 776..914, 1050..1983		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	323	End	814
GI	none	Score	141
Exons	323..529, 363..530, 385..531, 487..531, 533..814, 567..794		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	338	End	574
GI	none	Score	121
Exons	338..574, 350..568		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	371	End	721
GI	none	Score	99
Exons	371..502, 372..503, 504..698, 506..721		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o2.tw	Method	TBLASTX:Wheat
Start	1132	End	1722
GI	none	Score	209
Exons	1132..1185, 1231..1533, 1232..1714, 1555..1722		

Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o2.ts	Method	TBLASTX:Soybean
Start	1303	End	1692

GI	none	Score	107
Exons	1303..1521, 1516..1692		
Seq. No.	43724	Seq. ID	OJ000250_47.0303.C4
Gene No.	91771	Strand	-
Start	1	End	1983
Name	OJ000250_47.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	1555	End	1746
GI	none	Score	35
Exons	1555..1596, 1558..1746, 1559..1714, 1636..1722		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91772	Strand	+
Start	7228	End	8121
Name	OJ000250_47.0303.C5.o3.np	Method	AAT/NAP
Start	7228	End	8121
GI	5852178	Score	433
Exons	7228..7532, 7564..7664, 8026..8121		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o1.np	Method	AAT/NAP
Start	1	End	1628
GI	6742729	Score	1142
Exons	1..37, 606..1628		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o2.np	Method	AAT/NAP
Start	1	End	7566
GI	5852175	Score	141
Exons	1..37, 2344..2448, 2995..3043, 3868..3980, 6845..6892, 7188..7566		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o3.tm	Method	TBLASTX:Maize
Start	17	End	463
GI	none	Score	70
Exons	17..34, 36..140, 59..463, 88..141, 137..460		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o2.tw	Method	TBLASTX:Wheat
Start	623	End	956
GI	none	Score	291
Exons	623..955, 628..954, 681..956		
Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-

Start	1	End	7669
Name	OJ000250_47.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	628	End	912
GI	none	Score	116
Exons	628..912, 629..901		

Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o1.gs	Method	GENSCAN
Start	899	End	1612
GI	none	Score	.44
Exons	899..1612		

Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	1142	End	1384
GI	none	Score	83
Exons	1142..1384, 1200..1379		

Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	1214	End	1637
GI	none	Score	95
Exons	1214..1408, 1418..1609, 1419..1637		

Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	1248	End	1616
GI	none	Score	151
Exons	1248..1454, 1253..1456, 1253..1477, 1455..1547, 1457..1555, 1458..1550, 1562..1615, 1563..1616		

Seq. No.	43725	Seq. ID	OJ000250_47.0303.C5
Gene No.	91773	Strand	-
Start	1	End	7669
Name	OJ000250_47.0303.C5.o3.gs	Method	GENSCAN
Start	7256	End	7669
GI	none	Score	.99
Exons	7256..7669		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91774	Strand	+
Start	1	End	4424
Name	OJ000250_47.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	491
GI	5852180	Score	333
Exons	1..491		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6

Gene No.	91774	Strand	+
Start	1	End	4424
Name	OJ000250_47.0303.C6.o1.gs	Method	GENSCAN
Start	180	End	4424
GI	none	Score	.75
Exons	180..235, 240..713, 1247..3446, 3630..4424		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91774	Strand	+
Start	1	End	4424
Name	OJ000250_47.0303.C6.o2.np	Method	AAT/NAP
Start	1264	End	4421
GI	4680179	Score	4472
Exons	1264..4421		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o7.tw	Method	TBLASTX:Wheat
Start	1275	End	1580
GI	none	Score	123
Exons	1275..1487, 1340..1402, 1494..1580, 1502..1579		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o4.tw	Method	TBLASTX:Wheat
Start	1584	End	2066
GI	none	Score	547
Exons	1584..2066, 1688..2023		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o3.ts	Method	TBLASTX:Soybean
Start	1620	End	1931
GI	none	Score	199
Exons	1620..1931		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o4.tm	Method	TBLASTX:Maize
Start	1650	End	2096
GI	none	Score	374
Exons	1650..2096		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	2007	End	2402
GI	none	Score	57
Exons	2007..2039, 2007..2066, 2043..2096, 2045..2083, 2151..2402, 2159..2392		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o5.tw	Method	TBLASTX:Wheat
Start	2135	End	2417
GI	none	Score	62
Exons	2135..2209, 2153..2416, 2154..2417		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o5.tm	Method	TBLASTX:Maize
Start	2151	End	2483
GI	none	Score	301
Exons	2151..2483, 2204..2482		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o3.tw	Method	TBLASTX:Wheat
Start	2418	End	2843
GI	none	Score	576
Exons	2418..2843, 2420..2836, 2493..2843		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o4.ts	Method	TBLASTX:Soybean
Start	2424	End	2672
GI	none	Score	194
Exons	2424..2672		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	2490	End	2843
GI	none	Score	442
Exons	2490..2843, 2495..2836		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	2871	End	3411
GI	none	Score	621
Exons	2871..3410, 2912..3406, 2955..3410, 3139..3411		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	3108	End	3434
GI	none	Score	88
Exons	3108..3290, 3291..3434, 3293..3433		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6

Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	3198	End	3458
GI	none	Score	295
Exons	3198..3458, 3209..3457		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	3257	End	3548
GI	none	Score	383
Exons	3257..3544, 3258..3548		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	3417	End	4043
GI	none	Score	685
Exons	3417..4043, 3419..3451, 3476..3922, 3588..4001, 3983..4042		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	3596	End	4181
GI	none	Score	220
Exons	3596..3751, 3597..3758, 3755..3919, 3756..4181, 3876..4160, 3983..4180		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o6.tw	Method	TBLASTX:Wheat
Start	4043	End	4376
GI	none	Score	303
Exons	4043..4114, 4044..4376, 4047..4160, 4139..4324		

Seq. No.	43726	Seq. ID	OJ000250_47.0303.C6
Gene No.	91775	Strand	+
Start	5041	End	5910
Name	OJ000250_47.0303.C6.o3.np	Method	AAT/NAP
Start	5041	End	5910
GI	5852178	Score	349
Exons	5041..5344, 5376..5480, 5816..5910		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43727	Seq. ID	OJ000250_47.0303.C7
Gene No.	91776	Strand	+
Start	1	End	806
Name	OJ000250_47.0303.C7.o1.np	Method	AAT/NAP
Start	1	End	806
GI	6063554	Score	98
Exons	1..144, 590..806		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91777	Strand	+
Start	188	End	313
Name	OJ000250_47.0303.C8.o1.gs	Method	GENSCAN
Start	188	End	313
GI	none	Score	.98
Exons	188..313		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91778	Strand	+
Start	1699	End	6045
Name	OJ000250_47.0303.C8.o1.np	Method	AAT/NAP
Start	1699	End	6045
GI	226691	Score	456
Exons	1699..1719, 4281..4619, 5975..6045		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91778	Strand	+
Start	1699	End	6045
Name	OJ000250_47.0303.C8.o1.gp	Method	AAT/GAP
Start	3504	End	4000
GI	none	Score	928
Exons	3504..4000		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o2.np	Method	AAT/NAP
Start	1	End	6045
GI	6714302	Score	100
Exons	1..45, 3024..3080, 4662..4734, 5210..5297, 6008..6045		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o2.gs	Method	GENSCAN
Start	1081	End	2066
GI	none	Score	.77
Exons	1081..1160, 1964..2066		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o3.np	Method	AAT/NAP
Start	3705	End	6045
GI	3941438	Score	209
Exons	3705..3742, 5788..5917, 6008..6045		
GI Descrip.	(AF062873) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045

Name	OJ000250_47.0303.C8.o2.gp	Method	AAT/GAP
Start	4306	End	5058
GI	LIB3432-013-P1-K1-E3	Score	816
Exons	4306..4386, 4666..5058		
GI Descrip.	'133446/sp\|P12093\|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o2.tc	Method	TBLASTX:Cress
Start	4323	End	4580
GI	none	Score	236
Exons	4323..4580, 4388..4570		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	5785	End	6045
GI	none	Score	140
Exons	5785..5919, 5787..5918, 5994..6044, 6007..6045		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	5785	End	6045
GI	none	Score	194
Exons	5785..5919, 5787..5918, 5994..6044, 6007..6045		

Seq. No.	43728	Seq. ID	OJ000250_47.0303.C8
Gene No.	91779	Strand	-
Start	1	End	6045
Name	OJ000250_47.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	5785	End	6045
GI	none	Score	133
Exons	5785..5907, 5787..5918, 5794..5919, 5994..6044, 6007..6045		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.gs	Method	GENSCAN
Start	78	End	1376
GI	none	Score	.57
Exons	78..244, 443..614, 630..766, 887..1057, 1100..1376		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.np	Method	AAT/NAP
Start	177	End	1454
GI	6705984	Score	1881
Exons	177..1454		

GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o2.tm	Method	TBLASTX:Maize
Start	201	End	447
GI	none	Score	136
Exons	201..446, 201..446, 202..447		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.tw	Method	TBLASTX:Wheat
Start	366	End	764
GI	none	Score	323
Exons	366..764, 376..762		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o3.tm	Method	TBLASTX:Maize
Start	603	End	896
GI	none	Score	69
Exons	603..896, 757..888		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o2.tw	Method	TBLASTX:Wheat
Start	795	End	1154
GI	none	Score	248
Exons	795..1154, 802..1149, 804..1154		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	831	End	1184
GI	none	Score	67
Exons	831..1013, 1026..1100, 1119..1184		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	900	End	1248
GI	none	Score	302
Exons	900..1241, 900..1247, 901..1248		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	966	End	1325
GI	none	Score	266
Exons	966..1325, 967..1293		

Seq. No.	43729	Seq. ID	OJ000250_47.0303.C9
Gene No.	91780	Strand	-
Start	78	End	1454
Name	OJ000250_47.0303.C9.o3.tw	Method	TBLASTX:Wheat
Start	1281	End	1454
GI	none	Score	150
Exons	1281..1454, 1282..1449, 1292..1450		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91781	Strand	+
Start	6391	End	6912
Name	OJ000250_47.0303.C11.o1.gp	Method	AAT/GAP
Start	6391	End	6912
GI	uC-osf1M202048c12b1	Score	836
Exons	6391..6912		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91782	Strand	-
Start	1	End	5056
Name	OJ000250_47.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	4750
GI	4680179	Score	1571
Exons	1..59, 2202..2964, 2992..3982, 4673..4750		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91782	Strand	-
Start	1	End	5056
Name	OJ000250_47.0303.C11.o1.gs	Method	GENSCAN
Start	966	End	5056
GI	none	Score	.62
Exons	966..1166, 1216..1328, 1590..1697, 2073..2111, 2433..2699, 2886..3203, 3429..3597, 3803..4006, 4391..5056		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91782	Strand	-
Start	1	End	5056
Name	OJ000250_47.0303.C11.o2.np	Method	AAT/NAP
Start	4295	End	5056
GI	4512229	Score	1180
Exons	4295..5056		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	2206	End	2391
GI	none	Score	62
Exons	2206..2391, 2207..2290		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474

Name	OJ000250_47.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	2353	End	2757
GI	none	Score	103
Exons	2353..2493, 2354..2482, 2539..2757, 2588..2677		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o3.tm	Method	TBLASTX:Maize
Start	2620	End	2940
GI	none	Score	180
Exons	2620..2940		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o3.tw	Method	TBLASTX:Wheat
Start	2803	End	3045
GI	none	Score	71
Exons	2803..2946, 2804..2887, 2995..3045		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	3241	End	3586
GI	none	Score	50
Exons	3241..3585, 3390..3482, 3455..3586		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	3286	End	3585
GI	none	Score	47
Exons	3286..3585, 3287..3367, 3429..3467, 3455..3559		

Seq. No.	43730	Seq. ID	OJ000250_47.0303.C11
Gene No.	91783	Strand	-
Start	6300	End	6474
Name	OJ000250_47.0303.C11.o3.np	Method	AAT/NAP
Start	6300	End	6474
GI	6063554	Score	98
Exons	6300..6474		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	1920
GI	6721517	Score	2855
Exons	1..1920		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	4	End	453
GI	none	Score	47
Exons	4..453, 5..142, 188..448		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	79	End	471
GI	none	Score	221
Exons	79..450, 80..460, 82..471, 83..469		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	184	End	588
GI	none	Score	107
Exons	184..453, 193..453, 194..457, 353..544, 508..549, 508..552, 527..556, 556..588, 556..588		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	508	End	946
GI	none	Score	113
Exons	508..870, 508..942, 701..946		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	532	End	1015
GI	none	Score	305
Exons	532..1011, 572..1015		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o2.ts	Method	TBLASTX:Soybean
Start	658	End	942
GI	none	Score	70
Exons	658..942, 659..859		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o3.tw	Method	TBLASTX:Wheat
Start	1192	End	1539
GI	none	Score	80
Exons	1192..1539, 1213..1356		

Seq. No.	43731	Seq. ID	OJ000250_47.0303.C12
Gene No.	91784	Strand	-
Start	1	End	1920
Name	OJ000250_47.0303.C12.o3.tm	Method	TBLASTX:Maize
Start	1273	End	1548
GI	none	Score	203
Exons	1273..1548		

Seq. No.	43732	Seq. ID	OJ000250_47.0303.C13
Gene No.	91785	Strand	-
Start	1	End	632
Name	OJ000250_47.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	332
GI	5042447	Score	300
Exons	1..332		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43732	Seq. ID	OJ000250_47.0303.C13
Gene No.	91785	Strand	-
Start	1	End	632
Name	OJ000250_47.0303.C13.o1.gs	Method	GENSCAN
Start	36	End	632
GI	none	Score	.93
Exons	36..119, 132..332, 490..632		

Seq. No.	43733	Seq. ID	OJ000250_47.0303.C14
Gene No.	91786	Strand	-
Start	401	End	1239
Name	OJ000250_47.0303.C14.o1.gs	Method	GENSCAN
Start	401	End	1239
GI	none	Score	.68
Exons	401..468, 619..774, 1073..1239		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.tw	Method	TBLASTX:Wheat
Start	276	End	1545
GI	none	Score	43
Exons	276..338, 322..384, 323..391, 327..383, 388..468, 390..506, 397..537, 408..536, 516..575, 517..579, 581..646, 582..626, 586..627, 621..1316, 654..953, 661..1317, 1101..1322, 1314..1538, 1318..1539, 1319..1540, 1360..1545		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.gs	Method	GENSCAN
Start	315	End	2735
GI	none	Score	.79
Exons	315..737, 1564..1614, 2513..2735		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.np	Method	AAT/NAP
Start	706	End	2780

GI	6742729	Score	2204
Exons	706..1586, 2160..2780		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	804	End	1251
GI	none	Score	95
Exons	804..953, 804..1247, 808..1251, 814..1251		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1497
GI	none	Score	72
Exons	1182..1316, 1210..1293, 1309..1497, 1325..1486		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o2.tw	Method	TBLASTX:Wheat
Start	2165	End	2567
GI	none	Score	40
Exons	2165..2215, 2166..2204, 2167..2244, 2209..2430, 2266..2418, 2270..2431, 2414..2566, 2424..2567		

Seq. No.	43734	Seq. ID	OJ000250_47.0303.C16
Gene No.	91787	Strand	-
Start	315	End	2780
Name	OJ000250_47.0303.C16.o1.ts	Method	TBLASTX:Soybean
Start	2558	End	2779
GI	none	Score	182
Exons	2558..2779		

Seq. No.	43735	Seq. ID	OJ000250_47.0303.C18
Gene No.	91788	Strand	+
Start	89	End	2800
Name	OJ000250_47.0303.C18.o1.gs	Method	GENSCAN
Start	89	End	2800
GI	none	Score	.75
Exons	89..321, 492..1241, 1443..2800		

Seq. No.	43736	Seq. ID	OJ000250_47.0303.C19
Gene No.	91789	Strand	+
Start	212	End	598
Name	OJ000250_47.0303.C19.o1.np	Method	AAT/NAP
Start	212	End	598
GI	7248394	Score	177
Exons	212..598		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43736	Seq. ID	OJ000250_47.0303.C19
Gene No.	91790	Strand	
Start	816	End	1031
Name	OJ000250_47.0303.C19.o1.ts	Method	TBLASTX:Soybean
Start	816	End	1031
GI	none	Score	182
Exons	816..1031, 818..1027		

Seq. No.	43737	Seq. ID	OJ000250_47.0303.C20
Gene No.	91791	Strand	-
Start	1010	End	1536
Name	OJ000250_47.0303.C20.o1.gs	Method	GENSCAN
Start	1010	End	1536
GI	none	Score	.7
Exons	1010..1043, 1438..1536		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91792	Strand	-
Start	221	End	3169
Name	OJ000250_47.0303.C24.o1.gs	Method	GENSCAN
Start	221	End	3169
GI	none	Score	1
Exons	221..3169		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91792	Strand	-
Start	221	End	3169
Name	OJ000250_47.0303.C24.o1.np	Method	AAT/NAP
Start	224	End	3169
GI	5902444	Score	4877
Exons	224..3169		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91793	Strand	-
Start	6584	End	10795
Name	OJ000250_47.0303.C24.o2.gs	Method	GENSCAN
Start	6584	End	8777
GI	none	Score	.53
Exons	6584..6667, 6893..7027, 7122..7211, 7770..8054, 8145..8777		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91793	Strand	-
Start	6584	End	10795
Name	OJ000250_47.0303.C24.o2.np	Method	AAT/NAP
Start	7740	End	10795
GI	4680203	Score	2809
Exons	7740..8720, 8997..10795		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91793	Strand	-
Start	6584	End	10795
Name	OJ000250_47.0303.C24.o3.gs	Method	GENSCAN
Start	9055	End	10558
GI	none	Score	.87

Exons	9055..9644, 9812..9845, 9984..10421, 10436..10558		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o3.tw	Method	TBLASTX:Wheat
Start	92	End	889
GI	none	Score	116
Exons	92..328, 96..296, 432..668, 434..664, 713..889		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o3.tm	Method	TBLASTX:Maize
Start	434	End	581
GI	none	Score	110
Exons	434..580, 435..581		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o5.tw	Method	TBLASTX:Wheat
Start	1466	End	1868
GI	none	Score	117
Exons	1466..1867, 1599..1868		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o1.tw	Method	TBLASTX:Wheat
Start	7794	End	9116
GI	none	Score	55
Exons	7794..7886, 7811..7885, 7875..7955, 7903..7956, 7960..8058, 7961..8077, 7962..8078, 7969..8109, 7980..8108, 8038..8151, 8088..8147, 8154..8201, 8155..8202, 8162..8218, 8193..9110, 8209..9111, 8386..9111, 8622..9116		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o1.tc	Method	TBLASTX:Cress
Start	8376	End	8823
GI	none	Score	91
Exons	8376..8525, 8376..8819, 8380..8823, 8386..8823		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o2.tm	Method	TBLASTX:Maize
Start	8754	End	9068
GI	none	Score	67
Exons	8754..8984, 8754..9068, 8782..9057		
Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o2.ts	Method	TBLASTX:Soybean

Start	9298	End	9540
GI	none	Score	186
Exons	9298..9540		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	9370	End	9821
GI	none	Score	46
Exons	9370..9561, 9574..9693, 9574..9699, 9693..9815, 9699..9821		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o2.tw	Method	TBLASTX:Wheat
Start	9409	End	9864
GI	none	Score	108
Exons	9409..9633, 9467..9610, 9613..9699, 9614..9700, 9696..9818, 9714..9818, 9718..9819, 9816..9863, 9820..9864		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	10032	End	10322
GI	none	Score	81
Exons	10032..10112, 10089..10295, 10107..10322, 10108..10314		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o4.tw	Method	TBLASTX:Wheat
Start	10102	End	10489
GI	none	Score	195
Exons	10102..10344, 10110..10355, 10111..10347, 10338..10445, 10352..10489		

Seq. No.	43738	Seq. ID	OJ000250_47.0303.C24
Gene No.	91794	Strand	-
Start	11376	End	13998
Name	OJ000250_47.0303.C24.o4.gs	Method	GENSCAN
Start	11376	End	13998
GI	none	Score	.45
Exons	11376..11404, 11596..11731, 11983..12079, 13678..13737, 13781..13998		

Seq. No.	43739	Seq. ID	OJ000250_47.0303.C25
Gene No.	91795	Strand	+
Start	718	End	2428
Name	OJ000250_47.0303.C25.o1.gs	Method	GENSCAN
Start	718	End	2428
GI	none	Score	.45
Exons	718..834, 1081..1201, 1928..2090, 2210..2428		

Seq. No.	43739	Seq. ID	OJ000250_47.0303.C25
Gene No.	91796	Strand	-

Start	893	End	3043
Name	OJ000250_47.0303.C25.o1.np	Method	AAT/NAP
Start	893	End	3043
GI	6063554	Score	142
Exons	893..1070, 2198..2464, 3004..3043		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43739	Seq. ID	OJ000250_47.0303.C25
Gene No.	91796	Strand	-
Start	893	End	3043
Name	OJ000250_47.0303.C25.o2.np	Method	AAT/NAP
Start	1605	End	2500
GI	5852178	Score	392
Exons	1605..1707, 2067..2163, 2195..2500		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43739	Seq. ID	OJ000250_47.0303.C25
Gene No.	91797	Strand	-
Start	3464	End	3539
Name	OJ000250_47.0303.C25.o1.gp	Method	AAT/GAP
Start	3464	End	3539
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	3464..3539		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43740	Seq. ID	OJ000250_47.0303.C26
Gene No.	91798	Strand	+
Start	316	End	1088
Name	OJ000250_47.0303.C26.o1.gp	Method	AAT/GAP
Start	210	End	1088
GI	none	Score	1068
Exons	210..498, 726..1088		

Seq. No.	43740	Seq. ID	OJ000250_47.0303.C26
Gene No.	91798	Strand	+
Start	316	End	1088
Name	OJ000250_47.0303.C26.o1.tw	Method	TBLASTX:Wheat
Start	235	End	855
GI	none	Score	49
Exons	235..375, 243..269, 279..380, 436..492, 730..855, 735..851,	295..483, 354..482, 362..484, 736..855	

Seq. No.	43740	Seq. ID	OJ000250_47.0303.C26
Gene No.	91798	Strand	+
Start	316	End	1088
Name	OJ000250_47.0303.C26.o1.gs	Method	GENSCAN
Start	316	End	787
GI	none	Score	.67
Exons	316..484, 732..787		

Seq. No.	43741	Seq. ID	OJ000250_47.0303.C27
Gene No.	91799	Strand	+
Start	1022	End	3664

Name	OJ000250_47.0303.C27.o1.gs	Method	GENSCAN
Start	1022	End	3664
GI	none	Score	.82
Exons	1022..1221, 2503..2638, 2693..2825, 2908..3360, 3501..3664		

Seq. No.	43741	Seq. ID	OJ000250_47.0303.C27
Gene No.	91800	Strand	-
Start	1	End	314
Name	OJ000250_47.0303.C27.o1.np	Method	AAT/NAP
Start	1	End	306
GI	6705984	Score	429
Exons	1..306		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	43741	Seq. ID	OJ000250_47.0303.C27
Gene No.	91800	Strand	-
Start	1	End	314
Name	OJ000250_47.0303.C27.o1.tw	Method	TBLASTX:Wheat
Start	1	End	303
GI	none	Score	254
Exons	1..303, 3..302		

Seq. No.	43741	Seq. ID	OJ000250_47.0303.C27
Gene No.	91800	Strand	-
Start	1	End	314
Name	OJ000250_47.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	19	End	291
GI	none	Score	58
Exons	19..108, 24..110, 106..291, 114..290		

Seq. No.	43741	Seq. ID	OJ000250_47.0303.C27
Gene No.	91800	Strand	-
Start	1	End	314
Name	OJ000250_47.0303.C27.o1.tm	Method	TBLASTX:Maize
Start	63	End	314
GI	none	Score	92
Exons	63..314, 76..306		

Seq. No.	43742	Seq. ID	OJ000250_47.0303.C28
Gene No.	91801	Strand	+
Start	195	End	595
Name	OJ000250_47.0303.C28.o1.np	Method	AAT/NAP
Start	195	End	574
GI	4680203	Score	276
Exons	195..574		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43742	Seq. ID	OJ000250_47.0303.C28
Gene No.	91801	Strand	+
Start	195	End	595
Name	OJ000250_47.0303.C28.o1.tw	Method	TBLASTX:Wheat
Start	232	End	520
GI	none	Score	133
Exons	232..345, 233..334, 235..354, 236..352, 358..411, 359..439, 428..520, 432..503, 454..519		

Seq. No.	43742	Seq. ID	OJ000250_47.0303.C28

Gene No.	91801	Strand	+
Start	195	End	595
Name	OJ000250_47.0303.C28.o1.gs	Method	GENSCAN
Start	236	End	595
GI	none	Score	.99
Exons	236..595		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91802	Strand	+
Start	156	End	1878
Name	OJ000250_47.0303.C29.o1.gs	Method	GENSCAN
Start	156	End	1878
GI	none	Score	.91
Exons	156..243, 1433..1533, 1621..1878		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91803	Strand	+
Start	7496	End	10451
Name	OJ000250_47.0303.C29.o1.np	Method	AAT/NAP
Start	7496	End	10448
GI	6691716	Score	2311
Exons	7496..8380, 8578..8750, 8832..9151, 9322..9488, 9564..9675, 9826..9930, 10003..10448		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91803	Strand	+
Start	7496	End	10451
Name	OJ000250_47.0303.C29.o3.gs	Method	GENSCAN
Start	7496	End	10451
GI	none	Score	.51
Exons	7496..8380, 8506..9226, 9301..9488, 9564..9753, 9826..9930, 10003..10451		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91804	Strand	-
Start	1	End	265
Name	OJ000250_47.0303.C29.o1.gp	Method	AAT/GAP
Start	1	End	265
GI	3761372	Score	430
Exons	1..265		
GI Descrip.	1945282/emb\|Y11351\|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91805	Strand	-
Start	4383	End	5662
Name	OJ000250_47.0303.C29.o2.gp	Method	AAT/GAP
Start	4343	End	4760
GI	568184	Score	640
Exons	4343..4520, 4593..4760		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91805	Strand	-
Start	4383	End	5662

Name	OJ000250_47.0303.C29.o2.gs	Method	GENSCAN
Start	4383	End	5662
GI	none	Score	.75
Exons	4383..4548, 4589..4686, 4692..4874, 4956..5085, 5559..5662		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91806	Strand	-
Start	10767	End	11110
Name	OJ000250_47.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	7616	End	7906
GI	none	Score	217
Exons	7616..7906		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91806	Strand	-
Start	10767	End	11110
Name	OJ000250_47.0303.C29.o2.tw	Method	TBLASTX:Wheat
Start	10764	End	11015
GI	none	Score	172
Exons	10764..10802, 10836..11015		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91806	Strand	-
Start	10767	End	11110
Name	OJ000250_47.0303.C29.o4.gs	Method	GENSCAN
Start	10767	End	10951
GI	none	Score	.88
Exons	10767..10951		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91806	Strand	-
Start	10767	End	11110
Name	OJ000250_47.0303.C29.o2.np	Method	AAT/NAP
Start	10770	End	11110
GI	5902445	Score	570
Exons	10770..11110		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43743	Seq. ID	OJ000250_47.0303.C29
Gene No.	91806	Strand	-
Start	10767	End	11110
Name	OJ000250_47.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	10818	End	11051
GI	none	Score	100
Exons	10818..10919, 10819..10920, 10899..11051, 10900..10959		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34
Gene No.	91807	Strand	+
Start	1	End	3014
Name	OJ000250_47.0303.C34.o1.np	Method	AAT/NAP
Start	1	End	3014
GI	5295955	Score	553
Exons	1..67, 523..591, 1130..1243, 1930..2359, 2473..3014		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34

Gene No.	91807	Strand	+
Start	1	End	3014
Name	OJ000250_47.0303.C34.o1.gs	Method	GENSCAN
Start	131	End	1750
GI	none	Score	.77
Exons	131..285, 503..659, 1066..1184, 1669..1750		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34
Gene No.	91808	Strand	+
Start	4095	End	5633
Name	OJ000250_47.0303.C34.o3.gs	Method	GENSCAN
Start	4095	End	5633
GI	none	Score	.81
Exons	4095..4211, 4286..4569, 4658..4831, 4917..5004, 5291..5389, 5484..5633		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34
Gene No.	91809	Strand	+
Start	5771	End	5873
Name	OJ000250_47.0303.C34.o1.gp	Method	AAT/GAP
Start	5771	End	5873
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	5771..5873		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34
Gene No.	91810	Strand	-
Start	2205	End	3864
Name	OJ000250_47.0303.C34.o2.gs	Method	GENSCAN
Start	2205	End	3864
GI	none	Score	.76
Exons	2205..2291, 2385..2528, 2812..2882, 3546..3630, 3736..3864		

Seq. No.	43744	Seq. ID	OJ000250_47.0303.C34
Gene No.	91811	Strand	
Start	4345	End	4989
Name	OJ000250_47.0303.C34.o1.tw	Method	TBLASTX:Wheat
Start	4345	End	4989
GI	none	Score	55
Exons	4345..4413, 4346..4411, 4638..4841, 4647..4706, 4694..4837, 4911..4988, 4915..4989		

Seq. No.	43745	Seq. ID	OJ000250_47.0303.C36
Gene No.	91812	Strand	+
Start	70	End	195
Name	OJ000250_47.0303.C36.o1.gs	Method	GENSCAN
Start	70	End	195
GI	none	Score	.59
Exons	70..195		

Seq. No.	43745	Seq. ID	OJ000250_47.0303.C36
Gene No.	91813	Strand	-
Start	1	End	3804
Name	OJ000250_47.0303.C36.o1.np	Method	AAT/NAP
Start	1	End	2754

GI	6983860	Score	1355
Exons	1..22, 1644..2754		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43745	Seq. ID	OJ000250_47.0303.C36
Gene No.	91813	Strand	-
Start	1	End	3804
Name	OJ000250_47.0303.C36.o2.gs	Method	GENSCAN
Start	1574	End	3741
GI	none	Score	.53
Exons	1574..2213, 2255..2539, 2648..2754, 2944..2962, 3044..3741		

Seq. No.	43745	Seq. ID	OJ000250_47.0303.C36
Gene No.	91813	Strand	-
Start	1	End	3804
Name	OJ000250_47.0303.C36.o1.tw	Method	TBLASTX:Wheat
Start	2227	End	2583
GI	none	Score	74
Exons	2227..2583, 2228..2368, 2483..2575		

Seq. No.	43745	Seq. ID	OJ000250_47.0303.C36
Gene No.	91813	Strand	-
Start	1	End	3804
Name	OJ000250_47.0303.C36.o2.np	Method	AAT/NAP
Start	3043	End	3804
GI	4512229	Score	1101
Exons	3043..3804		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91814	Strand	+
Start	1	End	498
Name	OJ000250_47.0303.C37.o1.np	Method	AAT/NAP
Start	1	End	498
GI	5852179	Score	60
Exons	1..223, 297..498		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91815	Strand	+
Start	1209	End	7491
Name	OJ000250_47.0303.C37.o2.gs	Method	GENSCAN
Start	1209	End	7491
GI	none	Score	.81
Exons	1209..1281, 1734..1853, 4780..4836, 5152..5392, 5425..5539, 6697..7491		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o6.tm	Method	TBLASTX:Maize
Start	874	End	1185
GI	none	Score	76
Exons	874..1083, 934..1071, 1090..1185		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37

Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o5.tm	Method	TBLASTX:Maize
Start	1423	End	1806
GI	none	Score	61
Exons	1423..1539, 1424..1534, 1549..1608, 1550..1597, 1603..1806, 1604..1762		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o5.tw	Method	TBLASTX:Wheat
Start	1480	End	1774
GI	none	Score	163
Exons	1480..1764, 1481..1774		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o3.tm	Method	TBLASTX:Maize
Start	1807	End	2552
GI	none	Score	52
Exons	1807..1926, 1980..2552, 2124..2249, 2296..2379, 2310..2489		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o8.tm	Method	TBLASTX:Maize
Start	2556	End	2890
GI	none	Score	71
Exons	2556..2753, 2744..2890		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o2.np	Method	AAT/NAP
Start	7738	End	10718
GI	4680179	Score	3261
Exons	7738..8769, 8797..10718		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o7.tw	Method	TBLASTX:Wheat
Start	7942	End	8140
GI	none	Score	198
Exons	7942..8139, 7958..8140, 7967..8140		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o4.tw	Method	TBLASTX:Wheat
Start	8192	End	9038
GI	none	Score	292
Exons	8192..8536, 8340..8438, 8976..9038		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o7.tm	Method	TBLASTX:Maize
Start	8192	End	8530
GI	none	Score	225
Exons	8192..8530, 8273..8434, 8422..8493		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o6.tw	Method	TBLASTX:Wheat
Start	8824	End	9198
GI	none	Score	121
Exons	8824..8973, 8859..8969, 9079..9198, 9084..9197		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o2.tw	Method	TBLASTX:Wheat
Start	9348	End	9831
GI	none	Score	520
Exons	9348..9788, 9349..9831, 9460..9828		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o3.ts	Method	TBLASTX:Soybean
Start	9385	End	9696
GI	none	Score	183
Exons	9385..9696		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o2.tm	Method	TBLASTX:Maize
Start	9417	End	9861
GI	none	Score	359
Exons	9417..9596, 9418..9861		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o1.ts	Method	TBLASTX:Soybean
Start	9772	End	10164
GI	none	Score	57
Exons	9772..9804, 9772..9804, 9808..9852, 9810..9851, 9916..10164, 9924..10061		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o3.tw	Method	TBLASTX:Wheat
Start	9880	End	10182
GI	none	Score	56
Exons	9880..10173, 9899..9973, 9918..10181, 9919..10182		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o4.tm	Method	TBLASTX:Maize
Start	9916	End	10250
GI	none	Score	306
Exons	9916..10248, 9969..10250		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o1.tw	Method	TBLASTX:Wheat
Start	10183	End	10608
GI	none	Score	580
Exons	10183..10608, 10185..10601, 10300..10608		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o2.ts	Method	TBLASTX:Soybean
Start	10189	End	10437
GI	none	Score	206
Exons	10189..10437, 10215..10319, 10374..10418		

Seq. No.	43746	Seq. ID	OJ000250_47.0303.C37
Gene No.	91816	Strand	+
Start	7738	End	10718
Name	OJ000250_47.0303.C37.o1.tm	Method	TBLASTX:Maize
Start	10255	End	10608
GI	none	Score	445
Exons	10255..10608, 10260..10556		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91817	Strand	+
Start	1	End	1755
Name	OJ000250_47.0303.C38.o1.np	Method	AAT/NAP
Start	1	End	621
GI	6983860	Score	965
Exons	1..621		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91817	Strand	+
Start	1	End	1755
Name	OJ000250_47.0303.C38.o1.gs	Method	GENSCAN
Start	62	End	1755
GI	none	Score	.48
Exons	62..273, 358..499, 1405..1641, 1646..1755		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91818	Strand	+
Start	1989	End	8264
Name	OJ000250_47.0303.C38.o2.np	Method	AAT/NAP
Start	1989	End	8264
GI	4680179	Score	3616
Exons	1989..2061, 5053..6045, 6073..8264		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91818	Strand	+
Start	1989	End	8264
Name	OJ000250_47.0303.C38.o2.gs	Method	GENSCAN
Start	2583	End	8255
GI	none	Score	.64
Exons	2583..2654, 3997..4184, 4186..4351, 4378..4701, 5046..5237, 5440..6151, 6534..7015, 7072..7757, 7800..8255		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91819	Strand	-
Start	2175	End	2704
Name	OJ000250_47.0303.C38.o2.tm	Method	TBLASTX:Maize
Start	1	End	324
GI	none	Score	210
Exons	1..174, 16..174, 171..314, 172..324		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91819	Strand	-
Start	2175	End	2704
Name	OJ000250_47.0303.C38.o8.tw	Method	TBLASTX:Wheat
Start	1	End	171
GI	none	Score	197
Exons	1..171, 3..125, 4..171		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91819	Strand	-
Start	2175	End	2704
Name	OJ000250_47.0303.C38.o3.tw	Method	TBLASTX:Wheat
Start	174	End	576
GI	none	Score	467
Exons	174..317, 175..576, 175..360, 336..383		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91819	Strand	-
Start	2175	End	2704
Name	OJ000250_47.0303.C38.o5.tm	Method	TBLASTX:Maize
Start	325	End	564
GI	none	Score	234
Exons	325..564, 333..476		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91819	Strand	-
Start	2175	End	2704
Name	OJ000250_47.0303.C38.o2.gp	Method	AAT/GAP
Start	2175	End	2704
GI	uC-osf1M202048c12b1	Score	828
Exons	2175..2704		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91820	Strand	
Start	5452	End	5796
Name	OJ000250_47.0303.C38.o6.tm	Method	TBLASTX:Maize

Start	5452	End	5751
GI	none	Score	226
Exons	5452..5751, 5478..5597, 5670..5750		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91820	Strand	
Start	5452	End	5796
Name	OJ000250_47.0303.C38.o6.tw	Method	TBLASTX:Wheat
Start	5452	End	5796
GI	none	Score	303
Exons	5452..5796, 5478..5597, 5555..5647		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91821	Strand	
Start	5983	End	6357
Name	OJ000250_47.0303.C38.o7.tw	Method	TBLASTX:Wheat
Start	5983	End	6357
GI	none	Score	65
Exons	5983..6030, 6103..6357, 6150..6290		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91822	Strand	
Start	6365	End	6624
Name	OJ000250_47.0303.C38.o9.tw	Method	TBLASTX:Wheat
Start	6365	End	6624
GI	none	Score	113
Exons	6365..6532, 6379..6441, 6536..6622, 6547..6624		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91823	Strand	
Start	6625	End	7048
Name	OJ000250_47.0303.C38.o2.tw	Method	TBLASTX:Wheat
Start	6625	End	7048
GI	none	Score	481
Exons	6625..7047, 6629..7048		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91823	Strand	
Start	6625	End	7048
Name	OJ000250_47.0303.C38.o3.tm	Method	TBLASTX:Maize
Start	6638	End	6930
GI	none	Score	325
Exons	6638..6928, 6737..6928, 6745..6930		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91823	Strand	
Start	6625	End	7048
Name	OJ000250_47.0303.C38.o3.ts	Method	TBLASTX:Soybean
Start	6665	End	6979
GI	none	Score	198
Exons	6665..6979		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o1.ts	Method	TBLASTX:Soybean
Start	7051	End	7446

GI	none	Score	57
Exons	7051..7083, 7051..7083, 7087..7140, 7087..7167, 7195..7446, 7206..7436		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o4.tw	Method	TBLASTX:Wheat
Start	7186	End	7428
GI	none	Score	110
Exons	7186..7287, 7190..7402, 7198..7428, 7206..7418, 7333..7428		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o4.tm	Method	TBLASTX:Maize
Start	7195	End	7532
GI	none	Score	318
Exons	7195..7527, 7248..7532		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o1.tw	Method	TBLASTX:Wheat
Start	7431	End	7847
GI	none	Score	575
Exons	7431..7784, 7432..7845, 7471..7845, 7668..7847		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o2.ts	Method	TBLASTX:Soybean
Start	7468	End	7716
GI	none	Score	209
Exons	7468..7716		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91824	Strand	
Start	7051	End	7887
Name	OJ000250_47.0303.C38.o1.tm	Method	TBLASTX:Maize
Start	7534	End	7887
GI	none	Score	452
Exons	7534..7887, 7539..7784, 7570..7872, 7848..7880		

Seq. No.	43747	Seq. ID	OJ000250_47.0303.C38
Gene No.	91825	Strand	
Start	7918	End	8259
Name	OJ000250_47.0303.C38.o5.tw	Method	TBLASTX:Wheat
Start	7918	End	8259
GI	none	Score	313
Exons	7918..8259, 7920..8258, 7996..8259		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o1.np	Method	AAT/NAP
Start	1	End	957

GI	6983860	Score	1108
Exons	1..721, 875..957		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o2.tw	Method	TBLASTX:Wheat
Start	3	End	240
GI	none	Score	147
Exons	3..227, 3..236, 4..240		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o1.ts	Method	TBLASTX:Soybean
Start	46	End	306
GI	none	Score	292
Exons	46..306, 57..305		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o2.tm	Method	TBLASTX:Maize
Start	49	End	222
GI	none	Score	240
Exons	49..222, 55..207, 57..221		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o1.gs	Method	GENSCAN
Start	70	End	897
GI	none	Score	.51
Exons	70..252, 478..897		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o1.tm	Method	TBLASTX:Maize
Start	223	End	540
GI	none	Score	431
Exons	223..540, 234..536		

Seq. No.	43748	Seq. ID	OJ000250_47.0303.C39
Gene No.	91826	Strand	+
Start	1	End	957
Name	OJ000250_47.0303.C39.o1.tw	Method	TBLASTX:Wheat
Start	241	End	651
GI	none	Score	492
Exons	241..642, 264..644, 268..651		

Seq. No.	43749	Seq. ID	OJ000250_47.0303.C43
Gene No.	91827	Strand	-
Start	168	End	742
Name	OJ000250_47.0303.C43.o1.np	Method	AAT/NAP

Start	168	End	742
GI	5295955	Score	144
Exons	168..291, 722..742		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91828	Strand	+
Start	971	End	1276
Name	OJ000250_46.0303.C2.o1.gs	Method	GENSCAN
Start	971	End	1276
GI	none	Score	.68
Exons	971..1023, 1141..1276		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91829	Strand	+
Start	5580	End	6146
Name	OJ000250_46.0303.C2.o1.gp	Method	AAT/GAP
Start	5580	End	6146
GI	none	Score	859
Exons	5580..5834, 5933..6146		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91829	Strand	+
Start	5580	End	6146
Name	OJ000250_46.0303.C2.o3.gs	Method	GENSCAN
Start	5742	End	6022
GI	none	Score	.99
Exons	5742..5834, 5933..6022		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o4.gs	Method	GENSCAN
Start	10492	End	12235
GI	none	Score	.99
Exons	10492..10742, 11323..11575, 11708..12235		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o2.np	Method	AAT/NAP
Start	10555	End	13880
GI	7287994	Score	448
Exons	10555..10742, 11323..11534, 13816..13880		
GI Descrip.	(AL138646) myb protein-like [Arabidopsis thaliana]		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o2.gp	Method	AAT/GAP
Start	12931	End	17432
GI	7583_2.R1084	Score	3027
Exons	12931..13032, 13858..14037, 14118..14283, 14394..14532, 16027..16160, 16260..16402, 16540..16738, 16861..17432		
GI Descrip.	'4589726/dbj\|BAA76883.1\| 1.0e-164 (AB003137) DnaJ homolog protein [Salix gilgiana] >gi_4589739_dbj_BAA76888.1_ (AB003138)		

DnaJ homolog protein [Salix gilgiana]'

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o4.np	Method	AAT/NAP
Start	13081	End	18758
GI	133435	Score	639
Exons	13081..13175, 17867..18270, 18580..18758		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi\|66983\|pir\|\|RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi\|11972\|emb\|CAA33987\| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi\|226690\|prf\|\|1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o3.np	Method	AAT/NAP
Start	13891	End	17180
GI	4589726	Score	1477
Exons	13891..14037, 14118..14285, 14393..14532, 16027..16160, 16260..16402, 16540..16738, 16861..17180		
GI Descrip.	(AB003137) DnaJ homolog protein [Salix gilgiana] gi\|4589739\|dbj\|BAA76888.1\| (AB003138) DnaJ homolog protein [Salix gilgiana]		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91830	Strand	+
Start	10492	End	18758
Name	OJ000250_46.0303.C2.o6.gs	Method	GENSCAN
Start	13891	End	18346
GI	none	Score	.59
Exons	13891..14037, 14118..14283, 14394..14532, 16027..16160, 16260..16402, 16540..16738, 16861..17179, 17845..18346		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91831	Strand	+
Start	24943	End	25522
Name	OJ000250_46.0303.C2.o5.np	Method	AAT/NAP
Start	24943	End	25522
GI	4263785	Score	383
Exons	24943..25522		
GI Descrip.	(AC006068) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91832	Strand	-
Start	2219	End	6433
Name	OJ000250_46.0303.C2.o1.np	Method	AAT/NAP
Start	2202	End	6433
GI	2498163	Score	564
Exons	2202..2438, 3005..3109, 3605..3663, 3740..3801, 3877..4183, 4297..4361, 5045..5206, 6404..6433		
GI Descrip.	N4-(BETA-N-ACETYLGLUCOSAMINYL)-L-ASPARAGINASE PRECURSOR (GLYCOSYLASPARAGINASE) (ASPARTYLGLUCOSAMINIDASE) (N4-(N-ACETYL-BETA-GLUCOSAMINYL)-L-ASPARAGINE AMIDASE) (AGA)		

gi|1478357|bbs|176622 (S81393) aspartylglucosaminidase, AGA [mice, liver, brain, Peptide, 346 aa] [Mus sp.]

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91832	Strand	-
Start	2219	End	6433
Name	OJ000250_46.0303.C2.o2.gs	Method	GENSCAN
Start	2219	End	5528
GI	none	Score	.84
Exons	2219..2438, 3005..3109, 3605..3663, 3740..4194, 5045..5113, 5338..5447, 5482..5528		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91833	Strand	-
Start	12788	End	13065
Name	OJ000250_46.0303.C2.o5.gs	Method	GENSCAN
Start	12788	End	13065
GI	none	Score	.75
Exons	12788..12806, 12866..13065		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91834	Strand	-
Start	19415	End	19759
Name	OJ000250_46.0303.C2.o7.gs	Method	GENSCAN
Start	19415	End	19759
GI	none	Score	.97
Exons	19415..19759		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	2210	End	4024
GI	none	Score	338
Exons	2210..2434, 2211..2432, 2220..2438, 3005..3112, 3007..3111, 3604..3666, 3605..3670, 3736..4017, 3737..4003, 3737..4024, 3741..4022		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o4.ts	Method	TBLASTX:Soybean
Start	2219	End	2438
GI	none	Score	209
Exons	2219..2434, 2223..2438		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	4046	End	5399
GI	none	Score	195
Exons	4046..4213, 4047..4193, 4147..4194, 4280..4363, 4294..4365, 4297..4362, 5044..5196, 5046..5135, 5112..5219, 5112..5195, 5316..5399		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2

Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o5.ts	Method	TBLASTX:Soybean
Start	4073	End	5195
GI	none	Score	142
Exons	4073..4180, 4074..4181, 4076..4216, 4280..4363, 4297..4392, 4297..4362, 4953..5006, 5046..5117, 5047..5118, 5085..5195, 5098..5193		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	11348	End	11861
GI	none	Score	195
Exons	11348..11464, 11348..11494, 11353..11496, 11460..11528, 11489..11542, 11529..11606, 11751..11795, 11792..11833, 11838..11861		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	13891	End	16188
GI	none	Score	37
Exons	13891..13920, 13907..14020, 13908..14021, 13908..14042, 13912..14043, 14115..14225, 14115..14222, 14116..14235, 14117..14224, 14207..14284, 14208..14258, 14392..14535, 14396..14548, 14398..14529, 14426..14533, 16027..16161, 16027..16188, 16028..16162		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	13896	End	17185
GI	none	Score	197
Exons	13896..14042, 13897..14043, 14115..14252, 14117..14287, 14392..14535, 14426..14533, 16027..16188, 16028..16162, 16256..16402, 16258..16401, 16530..16736, 16540..16737, 16540..16737, 16848..16961, 16868..16960, 16968..17123, 16988..17098, 17154..17183, 17159..17185		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	13896	End	17182
GI	none	Score	53
Exons	13896..14036, 13908..14042, 13909..14043, 14115..14255, 14117..14281, 14117..14284, 14392..14535, 14396..14560, 14426..14533, 16027..16188, 16028..16162, 16255..16401, 16256..16402, 16530..16739, 16536..16736, 16540..16740, 16540..16740, 16848..17132, 16848..16985, 16859..17131, 17162..17182		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2

Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	13907	End	14314
GI	none	Score	85
Exons	13907..14020, 13908..14036, 13909..14043, 13911..14042, 14115..14222, 14116..14238, 14117..14221, 14133..14225, 14217..14255, 14270..14314		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	14416	End	17132
GI	none	Score	145
Exons	14416..14532, 14426..14533, 16028..16162, 16030..16161, 16256..16402, 16258..16401, 16530..16736, 16540..16737, 16540..16737, 16852..16923, 16868..16960, 16869..16961, 16967..17128, 16968..17132		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	16262	End	17182
GI	none	Score	176
Exons	16262..16402, 16264..16401, 16530..16685, 16540..16683, 16684..16740, 16695..16739, 16845..17081, 16848..17132, 16859..17128, 17024..17158, 17038..17151, 17156..17182		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	17869	End	18263
GI	none	Score	332
Exons	17869..18069, 17870..18076, 18123..18254, 18137..18256, 18139..18255, 18141..18263		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o3.ts	Method	TBLASTX:Soybean
Start	17903	End	18263
GI	none	Score	218
Exons	17903..18070, 17919..18068, 17938..18069, 18111..18254, 18128..18256, 18139..18255, 18141..18263		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o6.tm	Method	TBLASTX:Maize
Start	18014	End	18263
GI	none	Score	82
Exons	18014..18070, 18015..18068, 18016..18069, 18111..18254, 18128..18256, 18139..18255, 18141..18263		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o5.tm	Method	TBLASTX:Maize
Start	25039	End	25294
GI	none	Score	281
Exons	25039..25155, 25040..25294, 25213..25266		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	25049	End	25294
GI	none	Score	340
Exons	25049..25294, 25057..25281		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o3.tc	Method	TBLASTX:Cress
Start	25057	End	25294
GI	none	Score	337
Exons	25057..25281, 25058..25294		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o4.tw	Method	TBLASTX:Wheat
Start	25070	End	25260
GI	none	Score	193
Exons	25070..25240, 25072..25260		

Seq. No.	43750	Seq. ID	OJ000250_46.0303.C2
Gene No.	91835	Strand	-
Start	29939	End	30893
Name	OJ000250_46.0303.C2.o9.gs	Method	GENSCAN
Start	29939	End	30893
GI	none	Score	.83
Exons	29939..29983, 30752..30893		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91836	Strand	+
Start	67	End	677
Name	OJ000250_46.0303.C3.o1.gs	Method	GENSCAN
Start	67	End	677
GI	none	Score	.79
Exons	67..169, 616..677		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91837	Strand	+
Start	15978	End	18544
Name	OJ000250_46.0303.C3.o1.np	Method	AAT/NAP
Start	15818	End	17703
GI	7488386	Score	345
Exons	15818..16362, 17639..17703		
GI Descrip.	transcription factor TINY homolog T13E15.5 - Arabidopsis thaliana gi\|4895256\|gb\|AAD32841.1\|AC007659_23 (AC007659)		

putative AP2 domain transcription factor [Arabidopsis thaliana]

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91837	Strand	+
Start	15978	End	18544
Name	OJ000250_46.0303.C3.o4.gs	Method	GENSCAN
Start	15978	End	18544
GI	none	Score	.47
Exons	15978..16618, 17116..17305, 17371..17529, 18035..18117, 18223..18544		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91838	Strand	-
Start	1781	End	10296
Name	OJ000250_46.0303.C3.o2.gs	Method	GENSCAN
Start	1781	End	10296
GI	none	Score	.49
Exons	1781..1812, 1874..2078, 2535..2735, 3277..3323, 3903..3967, 5151..5229, 5408..5536, 6231..6425, 10236..10296		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91839	Strand	-
Start	18804	End	19866
Name	OJ000250_46.0303.C3.o5.gs	Method	GENSCAN
Start	18804	End	19866
GI	none	Score	.85
Exons	18804..19006, 19467..19563, 19723..19866		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	16074	End	16265
GI	none	Score	288
Exons	16074..16265, 16094..16264		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	16077	End	16340
GI	none	Score	353
Exons	16077..16340, 16106..16309		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	16086	End	16340
GI	none	Score	346
Exons	16086..16340, 16100..16309		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	16116	End	16306

GI	none	Score	188
Exons	16116..16286, 16118..16306		
Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o6.gs	Method	GENSCAN
Start	20356	End	31706
GI	none	Score	.75
Exons	20356..20684, 21067..21204, 21923..22079, 22365..22514, 22598..22750, 23125..23199, 23444..23570, 23949..23974, 24059..24125, 25705..25856, 28161..28326, 28406..28608, 28688..28825, 29641..29727, 29825..29897, 30015..30209, 30469..30545, 30663..30734, 30826..30986, 31015..31261, 31365..31484, 31623..31706		
Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o1.gp	Method	AAT/GAP
Start	27414	End	28646
GI	4677_1.R1084	Score	1847
Exons	27414..28025, 28161..28326, 28406..28646		
GI Descrip.	'2344889 1.0e-45 (AC002388) unknown protein [Arabidopsis thaliana] >gi_4895255_gb_AAD32840.1_AC007659_22 (AC007659) unknown protein [Arabidopsis thaliana]'		
Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	27447	End	28181
GI	none	Score	166
Exons	27447..27488, 27496..27525, 27894..28034, 27895..28026, 28158..28181		
Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	27893	End	28341
GI	none	Score	143
Exons	27893..28027, 27894..28028, 27895..28026, 27992..28036, 28158..28328, 28159..28341		
Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o2.np	Method	AAT/NAP
Start	27897	End	31388
GI	7486945	Score	934
Exons	27897..28025, 28161..28326, 28406..28608, 28688..28825, 29641..29727, 29825..29897, 30015..30209, 30469..30545, 30663..30734, 30826..30986, 31075..31265, 31327..31388		
GI Descrip.	hypothetical protein T13E15.4 - Arabidopsis thaliana gi\|4895255\|gb\|AAD32840.1\|AC007659_22 (AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	27954	End	28617
GI	none	Score	127
Exons	27954..28028, 28158..28328, 28159..28344, 28405..28611, 28405..28617		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	28184	End	31268
GI	none	Score	129
Exons	28184..28327, 28185..28328, 28185..28334, 28186..28344, 28388..28618, 28404..28622, 28404..28598, 28405..28617, 28685..28828, 28692..28823, 28708..28827, 29643..29711, 29643..29696, 29818..29877, 29825..29878, 29825..29899, 29859..29912, 30014..30211, 30020..30202, 30031..30216, 30468..30545, 30469..30540, 30661..30738, 30662..30736, 30820..30987, 30824..30985, 30825..30986, 30826..30987, 31073..31240, 31073..31264, 31074..31268, 31075..31263		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	29964	End	31023
GI	none	Score	154
Exons	29964..30233, 30014..30211, 30033..30212, 30465..30545, 30468..30545, 30821..30958, 30826..31023		

Seq. No.	43751	Seq. ID	OJ000250_46.0303.C3
Gene No.	91840	Strand	-
Start	20356	End	31746
Name	OJ000250_46.0303.C3.o2.gp	Method	AAT/GAP
Start	31348	End	31746
GI	none	Score	460
Exons	31348..31484, 31623..31746		

Seq. No.	43752	Seq. ID	OJ000250_46.0303.C4
Gene No.	91841	Strand	-
Start	39	End	1232
Name	OJ000250_46.0303.C4.o1.gs	Method	GENSCAN
Start	39	End	1232
GI	none	Score	.9
Exons	39..256, 604..771, 1008..1232		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91842	Strand	+
Start	5722	End	6753
Name	OJ000250_46.0303.C5.o2.gp	Method	AAT/GAP
Start	5691	End	6067
GI	uC-osf1cyp019h08b1	Score	746
Exons	5691..6067		

GI Descrip.	'4895251/gb\|AAD32836.1\|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91842	Strand	+
Start	5722	End	6753
Name	OJ000250_46.0303.C5.o2.np	Method	AAT/NAP
Start	5710	End	6750
GI	6706427	Score	1068
Exons	5710..6750		
GI Descrip.	(AL133248) acetylglutamate kinase-like protein [Arabidopsis thaliana]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91842	Strand	+
Start	5722	End	6753
Name	OJ000250_46.0303.C5.o2.gs	Method	GENSCAN
Start	5722	End	6753
GI	none	Score	.97
Exons	5722..6753		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91843	Strand	+
Start	10195	End	12633
Name	OJ000250_46.0303.C5.o3.np	Method	AAT/NAP
Start	10183	End	12630
GI	4895251	Score	1462
Exons	10183..10586, 10673..11031, 11127..11255, 11344..11475, 11588..11860, 11965..12365, 12490..12630		
GI Descrip.	(AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91843	Strand	+
Start	10195	End	12633
Name	OJ000250_46.0303.C5.o3.gp	Method	AAT/GAP
Start	10184	End	10450
GI	426401	Score	477
Exons	10184..10450		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91843	Strand	+
Start	10195	End	12633
Name	OJ000250_46.0303.C5.o4.gs	Method	GENSCAN
Start	10195	End	12633
GI	none	Score	.89
Exons	10195..10586, 10673..11031, 11127..11255, 11344..11475, 11588..11860, 11965..12365, 12490..12633		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91843	Strand	+
Start	10195	End	12633
Name	OJ000250_46.0303.C5.o4.gp	Method	AAT/GAP
Start	11166	End	11701
GI	5701670	Score	612
Exons	11166..11255, 11344..11475, 11588..11701		
GI Descrip.	4895251/gb\|AAD32836.1\|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91844	Strand	+
Start	18224	End	18653
Name	OJ000250_46.0303.C5.o6.gp	Method	AAT/GAP
Start	18224	End	18653
GI	none	Score	840
Exons	18224..18653		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91845	Strand	-
Start	1	End	2356
Name	OJ000250_46.0303.C5.o1.np	Method	AAT/NAP
Start	1	End	1984
GI	7486944	Score	140
Exons	1..20, 98..259, 1865..1984		
GI Descrip.	hypothetical protein T13E15.3 - Arabidopsis thaliana gi\|4895254\|gb\|AAD32839.1\|AC007659_21 (AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91845	Strand	-
Start	1	End	2356
Name	OJ000250_46.0303.C5.o1.gs	Method	GENSCAN
Start	98	End	1984
GI	none	Score	.81
Exons	98..259, 1862..1984		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91845	Strand	-
Start	1	End	2356
Name	OJ000250_46.0303.C5.o1.gp	Method	AAT/GAP
Start	210	End	2356
GI	none	Score	1041
Exons	210..259, 1862..2356		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91846	Strand	-
Start	8190	End	8986
Name	OJ000250_46.0303.C5.o3.gs	Method	GENSCAN
Start	8190	End	8986
GI	none	Score	.52
Exons	8190..8359, 8546..8639, 8861..8986		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91847	Strand	-
Start	13064	End	14916
Name	OJ000250_46.0303.C5.o5.gs	Method	GENSCAN
Start	13064	End	14916
GI	none	Score	.78
Exons	13064..13296, 13405..13498, 13637..13964, 14453..14916		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91847	Strand	-
Start	13064	End	14916
Name	OJ000250_46.0303.C5.o5.gp	Method	AAT/GAP
Start	13706	End	14614

GI	2428225	Score	759
Exons	13706..13964, 14453..14614		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o3.tm	Method	TBLASTX:Maize
Start	5761	End	6192
GI	none	Score	57
Exons	5761..5853, 5782..5865, 5908..5967, 5914..6132, 5943..6131, 6129..6191, 6130..6192		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	6060	End	6741
GI	none	Score	742
Exons	6060..6698, 6094..6741, 6490..6741		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	6193	End	6775
GI	none	Score	762
Exons	6193..6762, 6214..6393, 6216..6698, 6486..6770, 6490..6756, 6608..6775		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o6.gs	Method	GENSCAN
Start	18278	End	20687
GI	none	Score	.82
Exons	18278..18712, 18727..19028, 19140..19275, 19687..19755, 19761..19928, 20493..20687		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o6.np	Method	AAT/NAP
Start	18308	End	19989
GI	6539588	Score	283
Exons	18308..18434, 19219..19271, 19679..19989		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o5.np	Method	AAT/NAP
Start	18309	End	19278
GI	7441278	Score	497
Exons	18309..18712, 18778..19024, 19136..19278		
GI Descrip.	aquaporin homolog T21L8.190 - Arabidopsis thaliana gi\|5541711\|emb\|CAB51216.1\| (AL096860) aquaporin-like protein [Arabidopsis thaliana]		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	18404	End	19230
GI	none	Score	67
Exons	18404..18496, 18444..18494, 18617..18712, 18775..19041, 18800..19024, 19135..19230, 19148..19204		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	18404	End	19230
GI	none	Score	82
Exons	18404..18496, 18408..18497, 18617..18721, 18775..19041, 18800..19030, 19144..19230, 19148..19201		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	18404	End	19230
GI	none	Score	76
Exons	18404..18496, 18444..18494, 18617..18661, 18781..19041, 18782..19030, 19007..19201, 19135..19230		

Seq. No.	43753	Seq. ID	OJ000250_46.0303.C5
Gene No.	91848	Strand	-
Start	18278	End	20687
Name	OJ000250_46.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	18773	End	19230
GI	none	Score	161
Exons	18773..19030, 18778..19041, 19144..19230, 19148..19201		

Seq. No.	43754	Seq. ID	OJ000250_46.0303.C6
Gene No.	91849	Strand	-
Start	1388	End	2018
Name	OJ000250_46.0303.C6.o1.gs	Method	GENSCAN
Start	1388	End	2018
GI	none	Score	.45
Exons	1388..1488, 1550..2018		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91850	Strand	+
Start	1	End	5038
Name	OJ000250_46.0303.C7.o1.np	Method	AAT/NAP
Start	1	End	5035
GI	7228457	Score	7473
Exons	1..1439, 1503..2336, 2459..3418, 3485..5035		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91850	Strand	+

Start	1	End	5038
Name	OJ000250_46.0303.C7.o1.gs	Method	GENSCAN
Start	93	End	5038
GI	none	Score	.44
Exons	93..1482, 1614..1648, 1653..2194, 2251..3742, 3821..5038		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91851	Strand	+
Start	7973	End	9933
Name	OJ000250_46.0303.C7.o3.gs	Method	GENSCAN
Start	7973	End	9900
GI	none	Score	.67
Exons	7973..8069, 8445..8542, 8915..9086, 9123..9540, 9555..9700, 9730..9900		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91851	Strand	+
Start	7973	End	9933
Name	OJ000250_46.0303.C7.o3.np	Method	AAT/NAP
Start	9194	End	9933
GI	6721562	Score	985
Exons	9194..9933		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	860	End	1346
GI	none	Score	402
Exons	860..997, 861..1346, 1055..1315		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	1511	End	1973
GI	none	Score	567
Exons	1511..1966, 1512..1973, 1512..1967		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	1676	End	1997
GI	none	Score	386
Exons	1676..1987, 1677..1997, 1881..1997		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	2024	End	2407

GI	none	Score	287
Exons	2024..2308, 2025..2309, 2297..2407		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	2081	End	2500
GI	none	Score	281
Exons	2081..2311, 2082..2312, 2294..2500, 2320..2475		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	2160	End	2530
GI	none	Score	154
Exons	2160..2303, 2177..2302, 2300..2530		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	2936	End	3397
GI	none	Score	231
Exons	2936..3187, 2963..3214, 3028..3213, 3192..3224, 3257..3397, 3259..3396		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	3086	End	3652
GI	5666795	Score	63
Exons	3086..3184, 3260..3397, 3452..3652		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o7.tw	Method	TBLASTX:Wheat
Start	3400	End	3712
GI	none	Score	191
Exons	3400..3576, 3452..3712		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o2.np	Method	AAT/NAP
Start	3524	End	7289
GI	6907089	Score	2298
Exons	3524..3703, 5677..5928, 6029..7289		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289

Name	OJ000250_46.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	3905	End	4248
GI	none	Score	368
Exons	3905..4228, 3934..4215, 4132..4248		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	4042	End	4443
GI	none	Score	384
Exons	4042..4443, 4043..4423		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o6.tw	Method	TBLASTX:Wheat
Start	4448	End	5026
GI	none	Score	239
Exons	4448..4726, 4450..4707, 4472..4840, 4900..5022, 4901..5026		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o4.tm	Method	TBLASTX:Maize
Start	4894	End	5038
GI	none	Score	186
Exons	4894..5034, 4895..5038		

Seq. No.	43755	Seq. ID	OJ000250_46.0303.C7
Gene No.	91852	Strand	-
Start	3524	End	7289
Name	OJ000250_46.0303.C7.o2.gs	Method	GENSCAN
Start	5660	End	7289
GI	none	Score	.94
Exons	5660..5928, 6029..6137, 6186..7093, 7160..7289		

Seq. No.	43756	Seq. ID	OJ000250_46.0303.C8
Gene No.	91853	Strand	+
Start	159	End	218
Name	OJ000250_46.0303.C8.o1.np	Method	AAT/NAP
Start	159	End	218
GI	5042454	Score	72
Exons	159..218		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43757	Seq. ID	OJ000250_46.0303.C12
Gene No.	91855	Strand	+
Start	1015	End	5056
Name	OJ000250_46.0303.C12.o1.gs	Method	GENSCAN
Start	1015	End	5056
GI	none	Score	.51
Exons	1015..1104, 2163..2642, 2748..3169, 3754..4115, 4352..4506, 4910..5056		

Seq. No.	43757	Seq. ID	OJ000250_46.0303.C12
Gene No.	91855	Strand	+

Start	1015	End	5056
Name	OJ000250_46.0303.C12.o1.np	Method	AAT/NAP
Start	2067	End	3618
GI	7339707	Score	804
Exons	2067..2626, 3495..3618		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43757	Seq. ID	OJ000250_46.0303.C12
Gene No.	91856	Strand	+
Start	6925	End	7017
Name	OJ000250_46.0303.C12.o2.gs	Method	GENSCAN
Start	6925	End	7017
GI	none	Score	.81
Exons	6925..7017		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91857	Strand	+
Start	133	End	414
Name	OJ000250_46.0303.C13.o1.gs	Method	GENSCAN
Start	133	End	414
GI	none	Score	.85
Exons	133..151, 296..414		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91858	Strand	+
Start	1864	End	4521
Name	OJ000250_46.0303.C13.o1.np	Method	AAT/NAP
Start	1864	End	4480
GI	7287987	Score	487
Exons	1864..1884, 3617..3763, 3930..4009, 4176..4480		
GI Descrip.	(AL138646) homeobox-leucine zipper protein HAT3 [Arabidopsis thaliana]		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91858	Strand	+
Start	1864	End	4521
Name	OJ000250_46.0303.C13.o2.gs	Method	GENSCAN
Start	3327	End	4521
GI	none	Score	.93
Exons	3327..3429, 3549..3763, 3930..4009, 4176..4521		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91859	Strand	+
Start	9230	End	10961
Name	OJ000250_46.0303.C13.o2.np	Method	AAT/NAP
Start	9230	End	10961
GI	7298711	Score	67
Exons	9230..9443, 10874..10961		
GI Descrip.	(AE003668) cad gene product [Drosophila melanogaster]		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91860	Strand	+
Start	10874	End	10961
Name	OJ000250_46.0303.C13.o1.gp	Method	AAT/GAP
Start	10874	End	10961
GI	5867_1.R1084	Score	128
Exons	10874..10961		

GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91861	Strand	-
Start	6531	End	7538
Name	OJ000250_46.0303.C13.o3.gs	Method	GENSCAN
Start	6531	End	7538
GI	none	Score	.86
Exons	6531..6724, 7037..7067, 7473..7538		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91862	Strand	-
Start	9032	End	11563
Name	OJ000250_46.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	3686	End	4364
GI	none	Score	110
Exons	3686..3772, 3930..4010, 3932..4009, 4170..4292, 4174..4293, 4294..4359, 4296..4364		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91862	Strand	-
Start	9032	End	11563
Name	OJ000250_46.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	3686	End	4364
GI	none	Score	101
Exons	3686..3772, 3930..4016, 3933..4016, 4173..4292, 4174..4293, 4294..4359, 4296..4364		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91862	Strand	-
Start	9032	End	11563
Name	OJ000250_46.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	3923	End	4341
GI	none	Score	110
Exons	3923..4009, 3927..4010, 3927..4010, 4170..4229, 4170..4340, 4174..4341		

Seq. No.	43758	Seq. ID	OJ000250_46.0303.C13
Gene No.	91862	Strand	-
Start	9032	End	11563
Name	OJ000250_46.0303.C13.o4.gs	Method	GENSCAN
Start	9032	End	11563
GI	none	Score	.99
Exons	9032..9573, 11557..11563		

Seq. No.	43759	Seq. ID	OJ000250_46.0303.C14
Gene No.	91863	Strand	+
Start	56	End	1020
Name	OJ000250_46.0303.C14.o1.gs	Method	GENSCAN
Start	56	End	1020
GI	none	Score	.59

Exons	56..370, 376..532, 812..1020		
Seq. No.	43759	Seq. ID	OJ000250_46.0303.C14
Gene No.	91864	Strand	+
Start	2809	End	3483
Name	OJ000250_46.0303.C14.o2.gs	Method	GENSCAN
Start	2809	End	3483
GI	none	Score	.99
Exons	2809..3483		
Seq. No.	43760	Seq. ID	OJ000250_42.0303.C8
Gene No.	91865	Strand	+
Start	1	End	774
Name	OJ000250_42.0303.C8.o1.np	Method	AAT/NAP
Start	1	End	774
GI	7106512	Score	1011
Exons	1..774		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43760	Seq. ID	OJ000250_42.0303.C8
Gene No.	91865	Strand	+
Start	1	End	774
Name	OJ000250_42.0303.C8.o1.gs	Method	GENSCAN
Start	55	End	769
GI	none	Score	.89
Exons	55..357, 362..769		
Seq. No.	43761	Seq. ID	OJ000250_42.0303.C9
Gene No.	91866	Strand	+
Start	131	End	719
Name	OJ000250_42.0303.C9.o1.np	Method	AAT/NAP
Start	131	End	719
GI	6721559	Score	257
Exons	131..607, 636..719		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	43761	Seq. ID	OJ000250_42.0303.C9
Gene No.	91866	Strand	+
Start	131	End	719
Name	OJ000250_42.0303.C9.o1.gs	Method	GENSCAN
Start	268	End	587
GI	none	Score	.56
Exons	268..587		
Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	4680203	Score	1180
Exons	1..1007		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10

Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.gs	Method	GENSCAN
Start	62	End	953
GI	none	Score	.9
Exons	62..205, 509..679, 912..953		

Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	74	End	401
GI	none	Score	267
Exons	74..400, 87..401		

Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	141	End	517
GI	none	Score	124
Exons	141..401, 143..400, 440..517,	440..511	

Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	188	End	529
GI	none	Score	56
Exons	188..529, 192..326, 384..437,	428..529	

Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	269	End	692
GI	none	Score	97
Exons	269..565, 282..527, 287..562,	614..655,	660..692

Seq. No.	43762	Seq. ID	OJ000250_42.0303.C10
Gene No.	91867	Strand	-
Start	1	End	1007
Name	OJ000250_42.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	629	End	962
GI	none	Score	38
Exons	629..661, 629..661, 657..869, 861..962, 875..931	657..878, 658..870, 659..877,	

Seq. No.	43763	Seq. ID	OJ000250_42.0303.C11
Gene No.	91868	Strand	-
Start	1	End	1843
Name	OJ000250_42.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	1843
GI	4680203	Score	466
Exons	1..570, 1777..1843		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43764	Seq. ID	OJ000250_42.0303.C12
Gene No.	91869	Strand	-
Start	31	End	243
Name	OJ000250_42.0303.C12.o1.gs	Method	GENSCAN
Start	31	End	243
GI	none	Score	.54
Exons	31..243		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91870	Strand	+
Start	200	End	2231
Name	OJ000250_42.0303.C13.o1.np	Method	AAT/NAP
Start	200	End	2231
GI	7340881	Score	103
Exons	200..306, 412..444, 2213..2231		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91870	Strand	+
Start	200	End	2231
Name	OJ000250_42.0303.C13.o1.gs	Method	GENSCAN
Start	872	End	2079
GI	none	Score	.68
Exons	872..1410, 1422..1712, 1972..2079		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91871	Strand	+
Start	2492	End	2877
Name	OJ000250_42.0303.C13.o2.gp	Method	AAT/GAP
Start	2492	End	2877
GI	uC-osflcyp033a04b1	Score	645
Exons	2492..2877		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91872	Strand	+
Start	4030	End	4973
Name	OJ000250_42.0303.C13.o2.gs	Method	GENSCAN
Start	4030	End	4973
GI	none	Score	.77
Exons	4030..4075, 4317..4417, 4881..4973		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91873	Strand	+
Start	7154	End	9199
Name	OJ000250_42.0303.C13.o4.gp	Method	AAT/GAP
Start	7154	End	8677
GI	2310235	Score	303
Exons	7154..7191, 7603..7741, 8657..8677		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91873	Strand	+
Start	7154	End	9199
Name	OJ000250_42.0303.C13.o4.gs	Method	GENSCAN

Start	7603	End	8598
GI	none	Score	.98
Exons	7603..8598		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91873	Strand	+
Start	7154	End	9199
Name	OJ000250_42.0303.C13.o4.np	Method	AAT/NAP
Start	7622	End	9199
GI	4680203	Score	1137
Exons	7622..8621, 9176..9199		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91874	Strand	-
Start	164	End	375
Name	OJ000250_42.0303.C13.o1.gp	Method	AAT/GAP
Start	164	End	375
GI	1631463	Score	354
Exons	164..375		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o2.np	Method	AAT/NAP
Start	1154	End	6374
GI	5852180	Score	550
Exons	1154..1565, 1617..1725, 2717..2779, 6343..6374		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o3.gs	Method	GENSCAN
Start	5496	End	6885
GI	none	Score	.79
Exons	5496..6787, 6870..6885		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o3.np	Method	AAT/NAP
Start	5541	End	7857
GI	7485704	Score	616
Exons	5541..6650, 7822..7857		
GI Descrip.	hypothetical protein F18B3.220 - Arabidopsis thaliana gi\|4835245\|emb\|CAB42923.1\| (AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	5602	End	5802

GI	none	Score	148
Exons	5602..5796, 5614..5802, 5616..5801		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	5628	End	6482
GI	none	Score	215
Exons	5628..5921, 5632..5928, 5766..5975, 5985..6311, 5986..6306, 6324..6482, 6346..6447		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	5634	End	5924
GI	none	Score	173
Exons	5634..5924, 5647..5922		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	5700	End	5928
GI	none	Score	159
Exons	5700..5921, 5704..5916, 5707..5928		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91875	Strand	-
Start	1154	End	7857
Name	OJ000250_42.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	5802	End	6383
GI	none	Score	157
Exons	5802..5930, 5803..5916, 5805..5936, 5982..6041, 5985..6305, 5986..6285, 6330..6383		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91876	Strand	
Start	7954	End	8367
Name	OJ000250_42.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	7954	End	8297
GI	none	Score	103
Exons	7954..8061, 8044..8295, 8052..8294, 8055..8297		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91876	Strand	
Start	7954	End	8367
Name	OJ000250_42.0303.C13.o2.ts	Method	TBLASTX:Soybean
Start	8077	End	8367
GI	none	Score	236
Exons	8077..8295, 8085..8291, 8302..8367		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91877	Strand	
Start	8299	End	8622
Name	OJ000250_42.0303.C13.o3.tw	Method	TBLASTX:Wheat

Start	8299	End	8622
GI	none	Score	62
Exons	8299..8370, 8322..8369, 8391..8453, 8395..8514, 8512..8622		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91877	Strand	
Start	8299	End	8622
Name	OJ000250_42.0303.C13.o3.ts	Method	TBLASTX:Soybean
Start	8386	End	8619
GI	none	Score	189
Exons	8386..8619, 8391..8603, 8413..8616		

Seq. No.	43765	Seq. ID	OJ000250_42.0303.C13
Gene No.	91877	Strand	
Start	8299	End	8622
Name	OJ000250_42.0303.C13.o2.tc	Method	TBLASTX:Cress
Start	8388	End	8622
GI	none	Score	184
Exons	8388..8540, 8395..8622		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.gp	Method	AAT/GAP
Start	38	End	492
GI	95437_1.R1084	Score	802
Exons	38..492		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.gs	Method	GENSCAN
Start	48	End	5318
GI	none	Score	.7
Exons	48..528, 567..595, 819..2598, 2635..5318		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o2.tw	Method	TBLASTX:Wheat
Start	520	End	4304
GI	none	Score	51
Exons	520..582, 3737..4300, 3768..4304, 3840..4304		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o2.np	Method	AAT/NAP
Start	816	End	5315
GI	4680179	Score	5417
Exons	816..1880, 1914..5315		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14

Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o9.tw	Method	TBLASTX:Wheat
Start	858	End	1240
GI	none	Score	57
Exons	858..920, 981..1115, 1041..1238, 1043..1240		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o7.tw	Method	TBLASTX:Wheat
Start	1267	End	1625
GI	none	Score	57
Exons	1267..1443, 1274..1468, 1275..1625		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o6.tm	Method	TBLASTX:Maize
Start	1275	End	1580
GI	none	Score	232
Exons	1275..1580, 1289..1405		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o7.tm	Method	TBLASTX:Maize
Start	1905	End	2260
GI	none	Score	189
Exons	1905..2258, 1997..2074, 2168..2260		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o8.tw	Method	TBLASTX:Wheat
Start	1941	End	2363
GI	none	Score	163
Exons	1941..2150, 1997..2149, 2195..2308, 2196..2363		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o4.tw	Method	TBLASTX:Wheat
Start	2474	End	2960
GI	none	Score	52
Exons	2474..2917, 2478..2528, 2583..2960, 2592..2957		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o5.tm	Method	TBLASTX:Maize
Start	2489	End	2779
GI	none	Score	281
Exons	2489..2779, 2490..2777		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+

Start	38	End	5318
Name	OJ000250_42.0303.C14.o3.tm	Method	TBLASTX:Maize
Start	2847	End	3347
GI	none	Score	167
Exons	2847..3026, 2855..3001, 3033..3347, 3173..3226, 3254..3304		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	2901	End	3296
GI	none	Score	57
Exons	2901..2933, 2903..2932, 2937..3296, 2939..2977, 3005..3295		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o5.tw	Method	TBLASTX:Wheat
Start	3009	End	3311
GI	none	Score	382
Exons	3009..3311, 3010..3090, 3011..3295, 3012..3305		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o3.tw	Method	TBLASTX:Wheat
Start	3312	End	3734
GI	none	Score	598
Exons	3312..3734, 3344..3733		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o3.ts	Method	TBLASTX:Soybean
Start	3318	End	3563
GI	none	Score	207
Exons	3318..3563, 3335..3463		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o2.tm	Method	TBLASTX:Maize
Start	3383	End	3737
GI	none	Score	482
Exons	3383..3733, 3384..3737		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	4011	End	4328
GI	none	Score	90
Exons	4011..4184, 4185..4328, 4187..4327		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318

Name	OJ000250_42.0303.C14.o2.ts	Method	TBLASTX:Soybean
Start	4092	End	4353
GI	none	Score	297
Exons	4092..4352, 4097..4351, 4135..4353		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o4.tm	Method	TBLASTX:Maize
Start	4151	End	4442
GI	none	Score	374
Exons	4151..4438, 4152..4442		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.tw	Method	TBLASTX:Wheat
Start	4311	End	4937
GI	none	Score	711
Exons	4311..4937, 4367..4825, 4812..4934		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	4491	End	5075
GI	none	Score	231
Exons	4491..4652, 4499..4645, 4649..5074, 4650..5075		

Seq. No.	43766	Seq. ID	OJ000250_42.0303.C14
Gene No.	91878	Strand	+
Start	38	End	5318
Name	OJ000250_42.0303.C14.o6.tw	Method	TBLASTX:Wheat
Start	4937	End	5270
GI	none	Score	302
Exons	4937..5206, 4938..5270, 4941..5249		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o2.np	Method	AAT/NAP
Start	1	End	3299
GI	7340881	Score	106
Exons	1..37, 1231..1374, 1480..1510, 3272..3299		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o1.gs	Method	GENSCAN
Start	652	End	6400
GI	none	Score	.75
Exons	652..742, 1650..1675, 2005..2598, 2672..2776, 3165..6400		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430

Name	OJ000250_42.0303.C15.o1.np	Method	AAT/NAP
Start	652	End	2713
GI	6721561	Score	131
Exons	652..758, 2470..2713		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o1.gp	Method	AAT/GAP
Start	1234	End	1443
GI	1631463	Score	353
Exons	1234..1443		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o3.np	Method	AAT/NAP
Start	2071	End	2907
GI	5042448	Score	1145
Exons	2071..2907		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o4.np	Method	AAT/NAP
Start	3165	End	6430
GI	4680179	Score	5598
Exons	3165..6430		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o4.tw	Method	TBLASTX:Wheat
Start	3432	End	3791
GI	none	Score	305
Exons	3432..3791, 3462..3791		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o4.tm	Method	TBLASTX:Maize
Start	3672	End	3968
GI	none	Score	210
Exons	3672..3968, 3672..3956, 3689..3859		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15

Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o5.tm	Method	TBLASTX:Maize
Start	4308	End	4628
GI	none	Score	184
Exons	4308..4628, 4361..4453		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o5.tw	Method	TBLASTX:Wheat
Start	4311	End	4733
GI	none	Score	152
Exons	4311..4520, 4361..4459, 4520..4660, 4542..4733, 4571..4726		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o2.tw	Method	TBLASTX:Wheat
Start	4890	End	5372
GI	none	Score	550
Exons	4890..5372, 4994..5329, 5019..5363		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	4902	End	5191
GI	none	Score	322
Exons	4902..5189, 5000..5191		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	4926	End	5240
GI	none	Score	183
Exons	4926..5240, 5042..5239		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	5259	End	5759
GI	none	Score	161
Exons	5259..5438, 5424..5759, 5510..5644, 5511..5750		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	5313	End	5708
GI	none	Score	57
Exons	5313..5345, 5313..5357, 5349..5708, 5349..5429, 5444..5707		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+

Start	1	End	6430
Name	OJ000250_42.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	5421	End	5723
GI	none	Score	402
Exons	5421..5723, 5441..5722		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	5724	End	6233
GI	none	Score	631
Exons	5724..6233, 5756..6067, 5802..6149, 6110..6232		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	5730	End	5975
GI	none	Score	204
Exons	5730..5975		

Seq. No.	43767	Seq. ID	OJ000250_42.0303.C15
Gene No.	91879	Strand	+
Start	1	End	6430
Name	OJ000250_42.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	5796	End	6161
GI	none	Score	488
Exons	5796..6149, 5798..6064, 5850..6161		

Seq. No.	43768	Seq. ID	OJ000250_42.0303.C16
Gene No.	91880	Strand	+
Start	1249	End	1876
Name	OJ000250_42.0303.C16.o1.np	Method	AAT/NAP
Start	1249	End	1876
GI	100920	Score	222
Exons	1249..1307, 1574..1876		
GI Descrip.	rab28 protein - maize gi\|22460\|emb\|CAA41854\| (X59138) abscisic acid-inducible [Zea mays]		

Seq. No.	43769	Seq. ID	OJ000250_42.0303.C17
Gene No.	91881	Strand	+
Start	135	End	429
Name	OJ000250_42.0303.C17.o1.gs	Method	GENSCAN
Start	135	End	429
GI	none	Score	.84
Exons	135..238, 327..429		

Seq. No.	43770	Seq. ID	OJ000250_42.0303.C22
Gene No.	91882	Strand	+
Start	304	End	507
Name	OJ000250_42.0303.C22.o1.np	Method	AAT/NAP
Start	304	End	507
GI	4680186	Score	245
Exons	304..507		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43770	Seq. ID	OJ000250_42.0303.C22
Gene No.	91883	Strand	-
Start	54	End	436
Name	OJ000250_42.0303.C22.o1.gp	Method	AAT/GAP
Start	54	End	436
GI	uC-osflcyp033a04b1	Score	692
Exons	54..436		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43771	Seq. ID	OJ000250_42.0303.C25
Gene No.	91884	Strand	+
Start	1	End	512
Name	OJ000250_42.0303.C25.o1.np	Method	AAT/NAP
Start	1	End	512
GI	6815107	Score	235
Exons	1..512		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	43771	Seq. ID	OJ000250_42.0303.C25
Gene No.	91885	Strand	-
Start	4139	End	4212
Name	OJ000250_42.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	174	End	434
GI	none	Score	188
Exons	174..389, 179..412, 180..434		

Seq. No.	43771	Seq. ID	OJ000250_42.0303.C25
Gene No.	91885	Strand	-
Start	4139	End	4212
Name	OJ000250_42.0303.C25.o2.gs	Method	GENSCAN
Start	4139	End	4212
GI	none	Score	.83
Exons	4139..4212		

Seq. No.	43772	Seq. ID	OJ000250_42.0303.C26
Gene No.	91886	Strand	+
Start	302	End	709
Name	OJ000250_42.0303.C26.o1.gs	Method	GENSCAN
Start	302	End	709
GI	none	Score	.89
Exons	302..709		

Seq. No.	43772	Seq. ID	OJ000250_42.0303.C26
Gene No.	91887	Strand	-
Start	2179	End	2598
Name	OJ000250_42.0303.C26.o2.gs	Method	GENSCAN
Start	2179	End	2598
GI	none	Score	.91
Exons	2179..2278, 2507..2598		

Seq. No.	43772	Seq. ID	OJ000250_42.0303.C26
Gene No.	91888	Strand	-
Start	3002	End	3540
Name	OJ000250_42.0303.C26.o3.gs	Method	GENSCAN
Start	3002	End	3540

GI	none	Score	.92
Exons	3002..3187, 3468..3540		

Seq. No.	43773	Seq. ID	OJ000250_42.0303.C27
Gene No.	91889	Strand	-
Start	31	End	1290
Name	OJ000250_42.0303.C27.o1.tw	Method	TBLASTX:Wheat
Start	10	End	532
GI	none	Score	70
Exons	10..81, 181..363, 188..313, 452..532		

Seq. No.	43773	Seq. ID	OJ000250_42.0303.C27
Gene No.	91889	Strand	-
Start	31	End	1290
Name	OJ000250_42.0303.C27.o1.gs	Method	GENSCAN
Start	31	End	1290
GI	none	Score	.74
Exons	31..79, 176..349, 459..1290		

Seq. No.	43774	Seq. ID	OJ000250_42.0303.C28
Gene No.	91890	Strand	-
Start	1	End	1039
Name	OJ000250_42.0303.C28.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	4680204	Score	605
Exons	1..1039		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43774	Seq. ID	OJ000250_42.0303.C28
Gene No.	91890	Strand	-
Start	1	End	1039
Name	OJ000250_42.0303.C28.o1.gs	Method	GENSCAN
Start	23	End	1024
GI	none	Score	.89
Exons	23..1024		

Seq. No.	43774	Seq. ID	OJ000250_42.0303.C28
Gene No.	91890	Strand	-
Start	1	End	1039
Name	OJ000250_42.0303.C28.o1.tw	Method	TBLASTX:Wheat
Start	119	End	413
GI	none	Score	66
Exons	119..412, 141..293, 200..373, 360..413		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.gp	Method	AAT/GAP
Start	66	End	3621
GI	342_1.R1084	Score	5372
Exons	66..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621

Name	OJ000250_42.0303.C29.o6.gp	Method	AAT/GAP
Start	237	End	3621
GI	342_1.R1084	Score	5069
Exons	237..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o5.gp	Method	AAT/GAP
Start	239	End	3621
GI	342_1.R1084	Score	5065
Exons	239..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o4.gp	Method	AAT/GAP
Start	245	End	3621
GI	342_1.R1084	Score	5053
Exons	245..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o7.gp	Method	AAT/GAP
Start	259	End	3621
GI	342_1.R1084	Score	5025
Exons	259..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o8.gp	Method	AAT/GAP
Start	263	End	3621
GI	342_1.R1084	Score	5017
Exons	263..582, 692..789, 872..891, 927..2409, 2433..3338, 3592..3621		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	1074	End	2391
GI	none	Score	52
Exons	1074..1166, 1075..1140, 1155..1235, 1172..1243, 1248..1388, 1249..1389, 1336..1431, 1368..1430, 1434..1478, 1439..1474, 1473..2390, 1488..1805, 1489..2391		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.np	Method	AAT/NAP
Start	1558	End	3621
GI	6742729	Score	2745
Exons	1558..3344, 3592..3621		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.tc	Method	TBLASTX:Cress
Start	1656	End	2107
GI	none	Score	175
Exons	1656..2093, 1656..2099, 1660..2103, 1666..2103, 1925..2107		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	2034	End	2348
GI	none	Score	68
Exons	2034..2264, 2034..2348, 2062..2337		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o3.tw	Method	TBLASTX:Wheat
Start	2408	End	2825
GI	none	Score	85
Exons	2408..2500, 2412..2501, 2412..2504, 2414..2506, 2533..2745, 2534..2752, 2574..2756, 2762..2824, 2775..2825		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.ts	Method	TBLASTX:Soybean
Start	2858	End	3100
GI	none	Score	216
Exons	2858..3100		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	2930	End	3358
GI	none	Score	87
Exons	2930..3124, 3134..3358, 3135..3323		

Seq. No.	43775	Seq. ID	OJ000250_42.0303.C29
Gene No.	91891	Strand	-
Start	66	End	3621
Name	OJ000250_42.0303.C29.o2.tw	Method	TBLASTX:Wheat
Start	2964	End	3335
GI	none	Score	173
Exons	2964..3170, 2964..3173, 2969..3172, 2969..3193, 3173..3271,		

3174..3266, 3275..3334, 3279..3335

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91892	Strand	+
Start	277	End	2311
Name	OJ000250_42.0303.C30.o1.gp	Method	AAT/GAP
Start	277	End	659
GI	uC-osflcyp033a04b1	Score	688
Exons	277..659		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91892	Strand	+
Start	277	End	2311
Name	OJ000250_42.0303.C30.o1.gs	Method	GENSCAN
Start	375	End	2311
GI	none	Score	.8
Exons	375..446, 1916..2311		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91893	Strand	+
Start	3720	End	5590
Name	OJ000250_42.0303.C30.o2.np	Method	AAT/NAP
Start	3720	End	5590
GI	6907087	Score	1171
Exons	3720..4100, 4309..4969, 5487..5590		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91894	Strand	+
Start	6052	End	6434
Name	OJ000250_42.0303.C30.o2.gp	Method	AAT/GAP
Start	6052	End	6434
GI	uC-osflcyp033a04b1	Score	692
Exons	6052..6434		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91895	Strand	-
Start	206	End	2154
Name	OJ000250_42.0303.C30.o1.np	Method	AAT/NAP
Start	206	End	2154
GI	4680186	Score	237
Exons	206..427, 2133..2154		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91896	Strand	-
Start	5483	End	6184
Name	OJ000250_42.0303.C30.o3.gs	Method	GENSCAN
Start	5483	End	6092
GI	none	Score	.6
Exons	5483..5589, 6032..6092		

Seq. No.	43776	Seq. ID	OJ000250_42.0303.C30
Gene No.	91896	Strand	-
Start	5483	End	6184
Name	OJ000250_42.0303.C30.o3.np	Method	AAT/NAP
Start	5981	End	6184
GI	4680186	Score	238
Exons	5981..6184		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91897	Strand	+
Start	569	End	3180
Name	OJ000250_42.0303.C33.o1.np	Method	AAT/NAP
Start	569	End	3180
GI	7485703	Score	645
Exons	569..1928, 3158..3180		
GI Descrip.	hypothetical protein F18B3.210 - Arabidopsis thaliana gi\|4835244\|emb\|CAB42922.1\| (AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91897	Strand	+
Start	569	End	3180
Name	OJ000250_42.0303.C33.o1.gs	Method	GENSCAN
Start	601	End	2110
GI	none	Score	.57
Exons	601..773, 775..2110		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-
Start	2939	End	3078
Name	OJ000250_42.0303.C33.o1.ts	Method	TBLASTX:Soybean
Start	779	End	1903
GI	none	Score	112
Exons	779..952, 1009..1167, 1010..1168, 1169..1477, 1201..1476, 1562..1762, 1586..1903, 1600..1803		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-
Start	2939	End	3078
Name	OJ000250_42.0303.C33.o1.tm	Method	TBLASTX:Maize
Start	1109	End	1732
GI	none	Score	48
Exons	1109..1156, 1154..1378, 1166..1477, 1300..1476, 1422..1505, 1597..1644, 1604..1645, 1621..1731, 1643..1732		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-
Start	2939	End	3078
Name	OJ000250_42.0303.C33.o1.tc	Method	TBLASTX:Cress
Start	1555	End	1894
GI	none	Score	81
Exons	1555..1875, 1586..1894, 1603..1803		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-

Start	2939	End	3078
Name	OJ000250_42.0303.C33.o1.tw	Method	TBLASTX:Wheat
Start	1606	End	1828
GI	none	Score	257
Exons	1606..1791, 1607..1828		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-
Start	2939	End	3078
Name	OJ000250_42.0303.C33.o2.tm	Method	TBLASTX:Maize
Start	1732	End	1894
GI	none	Score	187
Exons	1732..1803, 1733..1894, 1844..1894		

Seq. No.	43777	Seq. ID	OJ000250_42.0303.C33
Gene No.	91898	Strand	-
Start	2939	End	3078
Name	OJ000250_42.0303.C33.o2.gs	Method	GENSCAN
Start	2939	End	3078
GI	none	Score	.48
Exons	2939..3078		

Seq. No.	43778	Seq. ID	OJ000250_42.0303.C34
Gene No.	91899	Strand	-
Start	74	End	840
Name	OJ000250_42.0303.C34.o1.gs	Method	GENSCAN
Start	74	End	840
GI	none	Score	.67
Exons	74..213, 672..840		

Seq. No.	43778	Seq. ID	OJ000250_42.0303.C34
Gene No.	91900	Strand	
Start	1530	End	1931
Name	OJ000250_42.0303.C34.o1.tw	Method	TBLASTX:Wheat
Start	1530	End	1931
GI	none	Score	143
Exons	1530..1745, 1583..1744, 1772..1927, 1779..1928, 1779..1931		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.np	Method	AAT/NAP
Start	1	End	2527
GI	2961349	Score	1295
Exons	1..736, 992..2527		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o3.tm	Method	TBLASTX:Maize
Start	35	End	409
GI	none	Score	212
Exons	35..409		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35

Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o4.tw	Method	TBLASTX:Wheat
Start	38	End	409
GI	none	Score	217
Exons	38..409, 121..402		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.gs	Method	GENSCAN
Start	75	End	2272
GI	none	Score	.45
Exons	75..209, 776..1158, 1327..1639, 1740..2272		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o3.ts	Method	TBLASTX:Soybean
Start	212	End	669
GI	none	Score	118
Exons	212..412, 424..669		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o2.tc	Method	TBLASTX:Cress
Start	248	End	669
GI	none	Score	127
Exons	248..403, 424..669		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.tw	Method	TBLASTX:Wheat
Start	454	End	699
GI	none	Score	260
Exons	454..669, 456..674, 457..699		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o2.ts	Method	TBLASTX:Soybean
Start	1003	End	1479
GI	5509260	Score	135
Exons	1003..1236, 1237..1407, 1417..1479		
GI Descrip.	-		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.tc	Method	TBLASTX:Cress
Start	1135	End	1389
GI	none	Score	122
Exons	1135..1236, 1140..1235, 1243..1389, 1258..1383		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35

Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o3.tw	Method	TBLASTX:Wheat
Start	1177	End	1659
GI	none	Score	51
Exons	1177..1236, 1237..1413, 1417..1482, 1525..1659		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o2.tm	Method	TBLASTX:Maize
Start	1303	End	1732
GI	none	Score	75
Exons	1303..1398, 1414..1659, 1416..1508, 1655..1732		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o2.tw	Method	TBLASTX:Wheat
Start	1679	End	2110
GI	none	Score	103
Exons	1679..1852, 1850..2110		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.tm	Method	TBLASTX:Maize
Start	1844	End	2515
GI	none	Score	233
Exons	1844..2221, 2312..2515		

Seq. No.	43779	Seq. ID	OJ000250_42.0303.C35
Gene No.	91901	Strand	+
Start	1	End	2527
Name	OJ000250_42.0303.C35.o1.ts	Method	TBLASTX:Soybean
Start	1877	End	2232
GI	none	Score	297
Exons	1877..2218, 1886..1954, 2053..2232		

Seq. No.	43780	Seq. ID	OJ000250_42.0303.C36
Gene No.	91902	Strand	+
Start	90	End	1420
Name	OJ000250_42.0303.C36.o1.np	Method	AAT/NAP
Start	90	End	1420
GI	2764732	Score	133
Exons	90..250, 802..894, 1294..1420		
GI Descrip.	(AJ002490) ndhB [Arabidopsis thaliana]		

Seq. No.	43781	Seq. ID	OJ000250_42.0303.C37
Gene No.	91903	Strand	-
Start	879	End	3529
Name	OJ000250_42.0303.C37.o1.np	Method	AAT/NAP
Start	879	End	3529
GI	6539570	Score	172
Exons	879..905, 3088..3167, 3326..3529		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43781	Seq. ID	OJ000250_42.0303.C37
Gene No.	91904	Strand	-
Start	3656	End	4581
Name	OJ000250_42.0303.C37.o2.np	Method	AAT/NAP
Start	3656	End	4581
GI	6630699	Score	78
Exons	3656..3739, 4376..4581		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43781	Seq. ID	OJ000250_42.0303.C37
Gene No.	91904	Strand	-
Start	3656	End	4581
Name	OJ000250_42.0303.C37.o2.gs	Method	GENSCAN
Start	4321	End	4521
GI	none	Score	.55
Exons	4321..4521		

Seq. No.	43782	Seq. ID	OJ000250_42.0303.C38
Gene No.	91905	Strand	-
Start	385	End	1096
Name	OJ000250_42.0303.C38.o2.gs	Method	GENSCAN
Start	385	End	603
GI	none	Score	.61
Exons	385..603		

Seq. No.	43782	Seq. ID	OJ000250_42.0303.C38
Gene No.	91905	Strand	-
Start	385	End	1096
Name	OJ000250_42.0303.C38.o1.np	Method	AAT/NAP
Start	409	End	1096
GI	6498430	Score	137
Exons	409..547, 1015..1096		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	43783	Seq. ID	OJ000250_42.0303.C43
Gene No.	91906	Strand	+
Start	1	End	839
Name	OJ000250_42.0303.C43.o1.np	Method	AAT/NAP
Start	1	End	839
GI	5091513	Score	1365
Exons	1..839		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	43783	Seq. ID	OJ000250_42.0303.C43
Gene No.	91906	Strand	+
Start	1	End	839
Name	OJ000250_42.0303.C43.o1.gs	Method	GENSCAN
Start	80	End	763
GI	none	Score	.67
Exons	80..179, 185..763		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91907	Strand	+
Start	619	End	1766
Name	OJ000250_42.0303.C48.o1.gs	Method	GENSCAN

Start	619	End	1766
GI	none	Score	.66
Exons	619..737, 885..1167, 1313..1552, 1578..1766		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91908	Strand	+
Start	2844	End	4892
Name	OJ000250_42.0303.C48.o2.gs	Method	GENSCAN
Start	2844	End	4892
GI	none	Score	.67
Exons	2844..2863, 4082..4321, 4766..4892		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91909	Strand	+
Start	8549	End	10225
Name	OJ000250_42.0303.C48.o1.np	Method	AAT/NAP
Start	8549	End	10225
GI	7484957	Score	129
Exons	8549..8981, 9069..9266, 10168..10225		
GI Descrip.	extensin homolog F28A21.80 - Arabidopsis thaliana gi\|4539386\|emb\|CAB37452.1\| (AL035526) extensin-like protein [Arabidopsis thaliana] gi\|7268661\|emb\|CAB78869.1\| (AL161549) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91910	Strand	-
Start	2622	End	2690
Name	OJ000250_42.0303.C48.o1.gp	Method	AAT/GAP
Start	2622	End	2690
GI	uC-osflcyp158c04a1	Score	89
Exons	2622..2690		
GI Descrip.	'4581164/gb\|AAD24647.1\|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91911	Strand	-
Start	2741	End	4352
Name	OJ000250_42.0303.C48.o2.gp	Method	AAT/GAP
Start	2741	End	4352
GI	5003807	Score	722
Exons	2741..2866, 3331..3385, 3985..4068, 4216..4352		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91912	Strand	-
Start	10008	End	10097
Name	OJ000250_42.0303.C48.o4.gs	Method	GENSCAN
Start	10008	End	10097
GI	none	Score	.45
Exons	10008..10097		

Seq. No.	43784	Seq. ID	OJ000250_42.0303.C48
Gene No.	91913	Strand	-
Start	10081	End	10225
Name	OJ000250_42.0303.C48.o2.np	Method	AAT/NAP
Start	10081	End	10225
GI	7523512	Score	126
Exons	10081..10225		

GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91914	Strand	+
Start	666	End	6818
Name	OJ000250_42.0303.C49.o1.np	Method	AAT/NAP
Start	666	End	6818
GI	7228457	Score	9240
Exons	666..1032, 1094..3029, 3093..3927, 4050..5201, 5268..6818		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91915	Strand	+
Start	12734	End	13114
Name	OJ000250_42.0303.C49.o1.gp	Method	AAT/GAP
Start	12734	End	13114
GI	uC-osflcyp033a04b1	Score	622
Exons	12734..13114		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91916	Strand	-
Start	7457	End	12382
Name	OJ000250_42.0303.C49.o2.gs	Method	GENSCAN
Start	7457	End	10692
GI	none	Score	.91
Exons	7457..9338, 9431..9599, 9627..10692		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91916	Strand	-
Start	7457	End	12382
Name	OJ000250_42.0303.C49.o2.np	Method	AAT/NAP
Start	7460	End	10692
GI	6907089	Score	4137
Exons	7460..9338, 9431..10692		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91916	Strand	-
Start	7457	End	12382
Name	OJ000250_42.0303.C49.o4.np	Method	AAT/NAP
Start	9921	End	12382
GI	5922623	Score	290
Exons	9921..9951, 11534..11609, 11776..11923, 12302..12382		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91916	Strand	-
Start	7457	End	12382
Name	OJ000250_42.0303.C49.o3.np	Method	AAT/NAP
Start	11355	End	11487
GI	7523512	Score	101

Exons	11355..11487		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o6.tw	Method	TBLASTX:Wheat
Start	1320	End	1712
GI	none	Score	58
Exons	1320..1367, 1374..1472, 1391..1471, 1439..1678, 1455..1712		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o4.tm	Method	TBLASTX:Maize
Start	1362	End	1610
GI	none	Score	193
Exons	1362..1610, 1460..1609		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o3.tw	Method	TBLASTX:Wheat
Start	2450	End	2933
GI	none	Score	411
Exons	2450..2623, 2451..2933, 2645..2905		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o1.tw	Method	TBLASTX:Wheat
Start	3101	End	3563
GI	none	Score	588
Exons	3101..3562, 3102..3563		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o3.ts	Method	TBLASTX:Soybean
Start	3141	End	3506
GI	none	Score	117
Exons	3141..3365, 3372..3506		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o1.tm	Method	TBLASTX:Maize
Start	3231	End	3587
GI	none	Score	392
Exons	3231..3587, 3266..3577, 3282..3587		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o3.tm	Method	TBLASTX:Maize
Start	3614	End	3998
GI	none	Score	360

Exons	3614..3979, 3615..3998		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o2.tw	Method	TBLASTX:Wheat
Start	3671	End	4096
GI	none	Score	485
Exons	3671..4096, 3672..4091		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o1.ts	Method	TBLASTX:Soybean
Start	3750	End	4121
GI	none	Score	271
Exons	3750..4121, 3767..3910		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o5.tw	Method	TBLASTX:Wheat
Start	4722	End	5180
GI	none	Score	234
Exons	4722..4970, 4746..4970, 4811..4984, 5040..5180, 5040..5177, 5042..5179		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o2.ts	Method	TBLASTX:Soybean
Start	4869	End	5435
GI	5666795	Score	68
Exons	4869..4967, 5043..5180, 5235..5435		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o8.tw	Method	TBLASTX:Wheat
Start	5183	End	5495
GI	none	Score	192
Exons	5183..5359, 5235..5495		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o2.tm	Method	TBLASTX:Maize
Start	5688	End	6011
GI	none	Score	362
Exons	5688..6011, 5717..5998		
Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o4.tw	Method	TBLASTX:Wheat
Start	5825	End	6206

GI	none	Score	375
Exons	5825..5881, 5826..6206, 5927..6175		

Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o7.tw	Method	TBLASTX:Wheat
Start	6207	End	6809
GI	none	Score	265
Exons	6207..6491, 6212..6490, 6684..6809		

Seq. No.	43785	Seq. ID	OJ000250_42.0303.C49
Gene No.	91917	Strand	-
Start	12667	End	17649
Name	OJ000250_42.0303.C49.o5.np	Method	AAT/NAP
Start	12667	End	17649
GI	4680186	Score	379
Exons	12667..12867, 13688..13754, 17627..17649		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91918	Strand	+
Start	3457	End	7410
Name	OJ000250_42.0303.C50.o1.gs	Method	GENSCAN
Start	3457	End	7410
GI	none	Score	.6
Exons	3457..4318, 4483..4999, 5338..5448, 5524..5981, 6442..6495, 7010..7195, 7223..7410		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91918	Strand	+
Start	3457	End	7410
Name	OJ000250_42.0303.C50.o1.np	Method	AAT/NAP
Start	4578	End	6947
GI	7488250	Score	334
Exons	4578..4874, 4920..4999, 5449..5988, 6835..6947		
GI Descrip.	protein kinase homolog F21P8.130 - Arabidopsis thaliana gi\|3021276\|emb\|CAA18471.1\| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi\|7269172\|emb\|CAB79279.1\| (AL161559) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91919	Strand	+
Start	19903	End	24731
Name	OJ000250_42.0303.C50.o4.np	Method	AAT/NAP
Start	19903	End	24563
GI	7025863	Score	231
Exons	19903..19972, 23458..23815, 23861..23941, 24209..24563		
GI Descrip.	(AC024128) putative protein kinase, 3' partial [Arabidopsis thaliana]		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91919	Strand	+
Start	19903	End	24731
Name	OJ000250_42.0303.C50.o4.gs	Method	GENSCAN
Start	20611	End	24731

GI	none	Score	.8
Exons	20611..21496, 23410..23941, 24284..24731		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91919	Strand	+
Start	19903	End	24731
Name	OJ000250_42.0303.C50.o3.np	Method	AAT/NAP
Start	20724	End	21522
GI	951112	Score	170
Exons	20724..21522		
GI Descrip.	(U22470) galactose-binding lectin precursor [Arachis hypogaea]		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91920	Strand	-
Start	8246	End	8814
Name	OJ000250_42.0303.C50.o2.gs	Method	GENSCAN
Start	8246	End	8814
GI	none	Score	.6
Exons	8246..8338, 8449..8560, 8687..8814		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91921	Strand	-
Start	12811	End	18000
Name	OJ000250_42.0303.C50.o3.gs	Method	GENSCAN
Start	12811	End	18000
GI	none	Score	.78
Exons	12811..13262, 13348..14093, 14509..15230, 15995..16306, 16371..16483, 16639..16852, 16862..17212, 17583..17632, 17967..18000		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91921	Strand	-
Start	12811	End	18000
Name	OJ000250_42.0303.C50.o2.np	Method	AAT/NAP
Start	12814	End	16703
GI	6979320	Score	4054
Exons	12814..13262, 13348..13764, 13900..14093, 14509..15230, 15995..16306, 16371..16703		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o3.tm	Method	TBLASTX:Maize
Start	3523	End	21111
GI	none	Score	94
Exons	3523..3684, 3555..3683, 3691..3807, 3700..3780, 3819..3869, 3820..3906, 20700..20849, 20755..20856, 20868..21008, 20869..21111		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o1.tc	Method	TBLASTX:Cress
Start	4192	End	24710
GI	none	Score	76
Exons	4192..4308, 4611..4850, 4899..4967, 5447..5614, 5618..5764,		

5792..5974, 23601..23705, 23721..23804, 23851..23919,
24207..24365, 24354..24473, 24501..24710

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o1.ts	Method	TBLASTX:Soybean
Start	4620	End	24644
GI	none	Score	82
Exons	4620..4718, 4728..4874, 5447..5596, 5600..5764, 5759..5908, 23553..23612, 23724..23801, 24201..24356, 24336..24494, 24483..24644		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o1.tm	Method	TBLASTX:Maize
Start	4899	End	24674
GI	none	Score	80
Exons	4899..5015, 5447..5608, 5465..5608, 5621..5737, 5741..5938, 24207..24365, 24240..24380, 24372..24473, 24477..24674		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o1.tw	Method	TBLASTX:Wheat
Start	5447	End	24467
GI	none	Score	140
Exons	5447..5602, 5524..5592, 5620..5727, 5621..5731, 24204..24362, 24372..24467		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o2.tm	Method	TBLASTX:Maize
Start	13054	End	13585
GI	none	Score	58
Exons	13054..13152, 13156..13263, 13157..13270, 13385..13585, 13389..13490, 13536..13571		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o2.ts	Method	TBLASTX:Soybean
Start	13136	End	13585
GI	none	Score	82
Exons	13136..13264, 13138..13263, 13334..13585		

Seq. No.	43786	Seq. ID	OJ000250_42.0303.C50
Gene No.	91922	Strand	-
Start	26595	End	31735
Name	OJ000250_42.0303.C50.o5.gs	Method	GENSCAN
Start	26595	End	31735
GI	none	Score	.48
Exons	26595..26653, 27235..27380, 27493..27572, 31640..31735		

Seq. No.	43787	Seq. ID	OJ000250_42.0303.C51

Gene No.	91923	Strand	+
Start	1106	End	1501
Name	OJ000250_42.0303.C51.o1.gs	Method	GENSCAN
Start	1106	End	1501
GI	none	Score	.74
Exons	1106..1201, 1451..1501		

Seq. No.	43787	Seq. ID	OJ000250_42.0303.C51
Gene No.	91924	Strand	+
Start	8156	End	8550
Name	OJ000250_42.0303.C51.o3.gs	Method	GENSCAN
Start	8156	End	8550
GI	none	Score	.73
Exons	8156..8550		

Seq. No.	43787	Seq. ID	OJ000250_42.0303.C51
Gene No.	91925	Strand	-
Start	2011	End	5229
Name	OJ000250_42.0303.C51.o2.gs	Method	GENSCAN
Start	2011	End	5229
GI	none	Score	.73
Exons	2011..2127, 2233..2404, 2571..2741, 2824..3656, 3738..4199, 4278..5011, 5100..5229		

Seq. No.	43787	Seq. ID	OJ000250_42.0303.C51
Gene No.	91926	Strand	-
Start	8155	End	8598
Name	OJ000250_42.0303.C51.o1.np	Method	AAT/NAP
Start	8155	End	8598
GI	1076802	Score	215
Exons	8155..8598		
GI Descrip.	extensin-like protein - maize gi\|600118\|emb\|CAA84230\| (Z34465) extensin-like protein [Zea mays] gi\|1096557\|prf\|\|2111476A extensin-like domain [Zea mays]		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o2.np	Method	AAT/NAP
Start	3443	End	12243
GI	7248395	Score	1584
Exons	3443..3525, 5381..5455, 8243..8757, 9399..10874, 12125..12243		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o2.gs	Method	GENSCAN
Start	4044	End	8677
GI	none	Score	.67
Exons	4044..4108, 4564..4750, 5690..5801, 7347..7407, 7553..7685, 8294..8677		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o2.gp	Method	AAT/GAP

Start	6954	End	7260
GI	72524_1.R1084	Score	434
Exons	6954..7260		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o3.gs	Method	GENSCAN
Start	9494	End	10713
GI	none	Score	.57
Exons	9494..10151, 10286..10713		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o4.gs	Method	GENSCAN
Start	11819	End	15608
GI	none	Score	.63
Exons	11819..11865, 13416..15409, 15601..15608		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91927	Strand	+
Start	3443	End	18284
Name	OJ000250_42.0303.C52.o3.np	Method	AAT/NAP
Start	13205	End	18284
GI	7106512	Score	80
Exons	13205..13265, 13339..13428, 18250..18284		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91928	Strand	-
Start	315	End	5075
Name	OJ000250_42.0303.C52.o1.gp	Method	AAT/GAP
Start	315	End	1775
GI	5002953	Score	1265
Exons	315..495, 975..1385, 1644..1775		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91928	Strand	-
Start	315	End	5075
Name	OJ000250_42.0303.C52.o1.np	Method	AAT/NAP
Start	429	End	5075
GI	4680203	Score	2031
Exons	429..1370, 1647..1877, 2031..2123, 2166..3740, 5043..5075		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91929	Strand	-
Start	12947	End	13252
Name	OJ000250_42.0303.C52.o3.gp	Method	AAT/GAP
Start	12947	End	13252
GI	72524_1.R1084	Score	433

Exons	12947..13252		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o1.tw	Method	TBLASTX:Wheat
Start	540	End	1760
GI	none	Score	67
Exons	540..632, 633..737, 661..738, 762..803, 762..800, 807..854, 843..1034, 859..999, 1047..1199, 1060..1182, 1218..1760, 1270..1716		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o2.tc	Method	TBLASTX:Cress
Start	1047	End	1473
GI	none	Score	68
Exons	1047..1199, 1060..1182, 1218..1469, 1270..1473		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o3.tm	Method	TBLASTX:Maize
Start	1371	End	1856
GI	none	Score	89
Exons	1371..1856, 1378..1527, 1663..1839		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o4.tw	Method	TBLASTX:Wheat
Start	1764	End	2097
GI	none	Score	66
Exons	1764..1847, 1765..1848, 1884..2069, 1885..2085, 1981..2097		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o2.ts	Method	TBLASTX:Soybean
Start	2253	End	2487
GI	none	Score	98
Exons	2253..2486, 2332..2487		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o1.tm	Method	TBLASTX:Maize
Start	2322	End	2765
GI	none	Score	78
Exons	2322..2516, 2520..2765, 2524..2715		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623

Name	OJ000250_42.0303.C52.o2.tw	Method	TBLASTX:Wheat
Start	2356	End	2822
GI	none	Score	102
Exons	2356..2544, 2361..2516, 2485..2655, 2547..2663, 2561..2659, 2562..2672, 2664..2768, 2671..2757, 2769..2822, 2779..2814		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o1.tc	Method	TBLASTX:Cress
Start	2610	End	2940
GI	none	Score	59
Exons	2610..2939, 2611..2685, 2652..2756, 2707..2766, 2803..2940		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o1.ts	Method	TBLASTX:Soybean
Start	2688	End	3107
GI	none	Score	105
Exons	2688..2936, 2692..2937, 2986..3105, 2988..3107		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o3.tw	Method	TBLASTX:Wheat
Start	2835	End	3386
GI	none	Score	64
Exons	2835..2939, 2845..2940, 2986..3147, 2988..3386, 3265..3288		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o2.tm	Method	TBLASTX:Maize
Start	13429	End	14004
GI	none	Score	85
Exons	13429..13584, 13489..13584, 13566..13718, 13567..13743, 13570..13785, 13738..13863, 13753..13857, 13930..14004		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o4.tm	Method	TBLASTX:Maize
Start	14083	End	14319
GI	none	Score	199
Exons	14083..14319, 14086..14175		

Seq. No.	43788	Seq. ID	OJ000250_42.0303.C52
Gene No.	91930	Strand	-
Start	15916	End	16623
Name	OJ000250_42.0303.C52.o5.gs	Method	GENSCAN
Start	15916	End	16623
GI	none	Score	.99
Exons	15916..16623		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+

Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.np	Method	AAT/NAP
Start	1	End	1925
GI	7340909	Score	96
Exons	1..33, 1349..1547, 1628..1925		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.gs	Method	GENSCAN
Start	120	End	2147
GI	none	Score	.44
Exons	120..168, 1115..1151, 1628..1859, 2004..2147		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.tc	Method	TBLASTX:Cress
Start	1842	End	2159
GI	none	Score	311
Exons	1842..2159, 1844..2005		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.tm	Method	TBLASTX:Maize
Start	1842	End	2147
GI	none	Score	374
Exons	1842..2138, 1844..2140, 2040..2147		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.tw	Method	TBLASTX:Wheat
Start	1842	End	2150
GI	none	Score	380
Exons	1842..2150, 1844..2149		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o1.ts	Method	TBLASTX:Soybean
Start	1842	End	2057
GI	none	Score	272
Exons	1842..2057, 1844..2011		

Seq. No.	43789	Seq. ID	OJ000250_42.0303.C53
Gene No.	91931	Strand	+
Start	1	End	2159
Name	OJ000250_42.0303.C53.o2.np	Method	AAT/NAP
Start	1843	End	2159
GI	7452044	Score	283
Exons	1843..2159		
GI Descrip.	hypothetical protein F27B13.20 - Arabidopsis thaliana gi\|4914402\|emb\|CAB43653.1\| (AL050352) hypothetical protein [Arabidopsis thaliana] gi\|7269877\|emb\|CAB79736.1\| (AL161575)		

hypothetical protein [Arabidopsis thaliana]

Seq. No.	43790	Seq. ID	OJ000250_42.0303.C54
Gene No.	91932	Strand	+
Start	81	End	186
Name	OJ000250_42.0303.C54.o2.gp	Method	AAT/GAP
Start	81	End	186
GI	5816518	Score	163
Exons	81..186		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	43790	Seq. ID	OJ000250_42.0303.C54
Gene No.	91933	Strand	+
Start	6340	End	6447
Name	OJ000250_42.0303.C54.o4.gp	Method	AAT/GAP
Start	6340	End	6447
GI	5816518	Score	161
Exons	6340..6447		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	43790	Seq. ID	OJ000250_42.0303.C54
Gene No.	91934	Strand	-
Start	1	End	72
Name	OJ000250_42.0303.C54.o1.gp	Method	AAT/GAP
Start	1	End	72
GI	3761181	Score	136
Exons	1..72		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	43790	Seq. ID	OJ000250_42.0303.C54
Gene No.	91935	Strand	-
Start	2273	End	6331
Name	OJ000250_42.0303.C54.o1.np	Method	AAT/NAP
Start	2273	End	6185
GI	7106512	Score	3711
Exons	2273..2646, 2701..3731, 4537..6052, 6126..6185		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43790	Seq. ID	OJ000250_42.0303.C54
Gene No.	91935	Strand	-
Start	2273	End	6331
Name	OJ000250_42.0303.C54.o3.gp	Method	AAT/GAP
Start	6083	End	6331
GI	3761181	Score	414
Exons	6083..6331		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91936	Strand	+
Start	8302	End	14379
Name	OJ000250_42.0303.C55.o1.np	Method	AAT/NAP
Start	8302	End	14379

GI	5922631	Score	6615
Exons	8302..8426, 8685..8932, 9182..9384, 9430..10004, 10047..10195, 10322..11245, 11852..14379		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91937	Strand	-
Start	2752	End	7407
Name	OJ000250_42.0303.C55.o1.gp	Method	AAT/GAP
Start	2752	End	3232
GI	none	Score	929
Exons	2752..3232		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91937	Strand	-
Start	2752	End	7407
Name	OJ000250_42.0303.C55.o1.gs	Method	GENSCAN
Start	2834	End	7407
GI	none	Score	.65
Exons	2834..2897, 3150..3488, 3584..3726, 3871..4012, 5794..5895, 7378..7407		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91937	Strand	-
Start	2752	End	7407
Name	OJ000250_42.0303.C55.o2.gp	Method	AAT/GAP
Start	3320	End	4195
GI	58375_1.R1084	Score	737
Exons	3320..3488, 3584..3726, 3931..4012, 4118..4195		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oxyza sativa DNA, similar sequence to Pib gene'		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o7.tw	Method	TBLASTX:Wheat
Start	9609	End	10011
GI	none	Score	297
Exons	9609..9878, 9610..10011		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o6.tw	Method	TBLASTX:Wheat
Start	10618	End	11019
GI	none	Score	353
Exons	10618..11019, 10680..11006		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718

Name	OJ000250_42.0303.C55.o1.tw	Method	TBLASTX:Wheat
Start	11262	End	11718
GI	none	Score	472
Exons	11262..11717, 11263..11718		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o3.ts	Method	TBLASTX:Soybean
Start	11302	End	11667
GI	none	Score	126
Exons	11302..11526, 11533..11667		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o3.tm	Method	TBLASTX:Maize
Start	11392	End	11748
GI	none	Score	366
Exons	11392..11748, 11433..11738, 11455..11748		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o2.tw	Method	TBLASTX:Wheat
Start	11833	End	12257
GI	none	Score	446
Exons	11833..12252, 11877..12257		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o1.ts	Method	TBLASTX:Soybean
Start	11881	End	12312
GI	none	Score	318
Exons	11881..12312, 11928..12071, 12108..12278		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o2.tm	Method	TBLASTX:Maize
Start	11979	End	12423
GI	none	Score	275
Exons	11979..12233, 11980..12234, 12255..12386, 12256..12399, 12397..12423		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o8.tw	Method	TBLASTX:Wheat
Start	12261	End	12546
GI	none	Score	276
Exons	12261..12338, 12262..12543, 12295..12546		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718

Name	OJ000250_42.0303.C55.o2.ts	Method	TBLASTX:Soybean
Start	12538	End	12926
GI	none	Score	88
Exons	12538..12642, 12546..12926, 12681..12755, 12682..12924		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o4.tw	Method	TBLASTX:Wheat
Start	12547	End	12969
GI	none	Score	415
Exons	12547..12969, 12555..12959		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o5.tm	Method	TBLASTX:Maize
Start	12799	End	13053
GI	none	Score	191
Exons	12799..13053		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o10.tw	Method	TBLASTX:Wheat
Start	12985	End	13284
GI	none	Score	130
Exons	12985..13119, 13144..13284		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o1.tm	Method	TBLASTX:Maize
Start	13281	End	13644
GI	none	Score	443
Exons	13281..13592, 13282..13605, 13302..13616, 13596..13643, 13597..13644		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o3.tw	Method	TBLASTX:Wheat
Start	13287	End	13674
GI	none	Score	417
Exons	13287..13598, 13288..13674		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o5.tw	Method	TBLASTX:Wheat
Start	13789	End	14403
GI	none	Score	267
Exons	13789..14067, 13809..13898, 13950..14051, 14122..14280, 14266..14403		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-

Start	14736	End	17718
Name	OJ000250_42.0303.C55.o4.tm	Method	TBLASTX:Maize
Start	14131	End	14364
GI	none	Score	152
Exons	14131..14283, 14262..14363, 14263..14364		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o3.gs	Method	GENSCAN
Start	14736	End	17718
GI	none	Score	.89
Exons	14736..15184, 15257..15361, 15433..15622, 15698..15885, 15960..16336, 16419..16576, 16795..17120, 17550..17718		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o2.np	Method	AAT/NAP
Start	14739	End	17679
GI	6691716	Score	2345
Exons	14739..15184, 15257..15361, 15511..15622, 15698..15892, 16069..16336, 16419..16611, 16809..17679		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43791	Seq. ID	OJ000250_42.0303.C55
Gene No.	91938	Strand	-
Start	14736	End	17718
Name	OJ000250_42.0303.C55.o9.tw	Method	TBLASTX:Wheat
Start	17269	End	17559
GI	none	Score	209
Exons	17269..17559		

Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o1.np	Method	AAT/NAP
Start	4351	End	9463
GI	5922631	Score	1108
Exons	4351..4405, 4664..4812, 5941..6367, 6410..6662, 6789..9173, 9383..9463		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o5.tw	Method	TBLASTX:Wheat
Start	5939	End	6337
GI	none	Score	61

Exons	5939..5989, 5990..6103, 6001..6093, 6062..6337, 6062..6232, 6076..6288		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o3.tm	Method	TBLASTX:Maize
Start	5984	End	6223
GI	none	Score	188
Exons	5984..6223		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o3.tw	Method	TBLASTX:Wheat
Start	6968	End	7423
GI	none	Score	137
Exons	6968..7150, 6976..7149, 7187..7423, 7189..7305, 7199..7366		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	7580	End	7944
GI	none	Score	394
Exons	7580..7939, 7595..7918, 7600..7944		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	7745	End	7951
GI	none	Score	262
Exons	7745..7951, 7799..7939, 7807..7947		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	8277	End	8582
GI	none	Score	342
Exons	8277..8582, 8294..8581		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o2.tw	Method	TBLASTX:Wheat
Start	8277	End	8660
GI	none	Score	359
Exons	8277..8660, 8285..8659		
Seq. No.	43792	Seq. ID	OJ000130_45.0328.C2
Gene No.	91939	Strand	+
Start	4351	End	9463
Name	OJ000130_45.0328.C2.o4.tw	Method	TBLASTX:Wheat
Start	8784	End	9170
GI	none	Score	317

Exons	8784,.9170, 8798..8887, 8799..8972, 8933..9040		
Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o3.np	Method	AAT/NAP
Start	1	End	5775
GI	7228457	Score	196
Exons	1..17, 5546..5775		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o1.gp	Method	AAT/GAP
Start	127	End	378
GI	61605_1.R1084	Score	436
Exons	127..378		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o1.gs	Method	GENSCAN
Start	211	End	3664
GI	none	Score	.58
Exons	211..243, 489..682, 916..1848, 3173..3664		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o1.np	Method	AAT/NAP
Start	916	End	1953
GI	6983860	Score	988
Exons	916..1953		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o2.np	Method	AAT/NAP
Start	3198	End	4897
GI	6063554	Score	328
Exons	3198..3412, 4056..4087, 4724..4897		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91940	Strand	+
Start	1	End	7187
Name	OJ000130_45.0328.C3.o2.gs	Method	GENSCAN
Start	4745	End	7187

GI	none	Score	.77
Exons	4745..4757, 5374..5406, 5546..5761, 7081..7187		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91941	Strand	+
Start	15060	End	17160
Name	OJ000130_45.0328.C3.o5.np	Method	AAT/NAP
Start	15060	End	17160
GI	7523517	Score	352
Exons	15060..15357, 15502..15547, 16803..16951, 17142..17160		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91942	Strand	-
Start	1010	End	1497
Name	OJ000130_45.0328.C3.o2.gp	Method	AAT/GAP
Start	1010	End	1497
GI	uC-osflcyp162a07a1	Score	690
Exons	1010..1237, 1337..1497		
GI Descrip.	'4680179/gb\|AAD27547.1\|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91943	Strand	-
Start	9567	End	10006
Name	OJ000130_45.0328.C3.o3.gs	Method	GENSCAN
Start	9567	End	10006
GI	none	Score	.9
Exons	9567..9828, 9972..10006		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91944	Strand	-
Start	11571	End	17155
Name	OJ000130_45.0328.C3.o4.gs	Method	GENSCAN
Start	11571	End	17155
GI	none	Score	.7
Exons	11571..12088, 12199..12344, 12607..13248, 13331..13389, 13413..13465, 13487..13610, 13677..13801, 13969..14042, 14155..14356, 14504..14897, 14913..14959, 15993..16165, 16911..17155		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91944	Strand	-
Start	11571	End	17155
Name	OJ000130_45.0328.C3.o4.np	Method	AAT/NAP
Start	12483	End	13764
GI	6721561	Score	1208
Exons	12483..13248, 13331..13610, 13696..13764		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91945	Strand	-
Start	18135	End	19932

Name	OJ000130_45.0328.C3.o5.gs	Method	GENSCAN
Start	18135	End	19932
GI	none	Score	.49
Exons	18135..18327, 18997..19319, 19534..19719, 19792..19932		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91946	Strand	-
Start	22642	End	27360
Name	OJ000130_45.0328.C3.o1.tw	Method	TBLASTX:Wheat
Start	1078	End	1434
GI	none	Score	284
Exons	1078..1434, 1086..1256, 1293..1433		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91946	Strand	-
Start	22642	End	27360
Name	OJ000130_45.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	1315	End	1578
GI	none	Score	211
Exons	1315..1578, 1341..1502		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91946	Strand	-
Start	22642	End	27360
Name	OJ000130_45.0328.C3.o6.gs	Method	GENSCAN
Start	22642	End	27360
GI	none	Score	.51
Exons	22642..23185, 25645..25776, 26603..27360		

Seq. No.	43793	Seq. ID	OJ000130_45.0328.C3
Gene No.	91946	Strand	-
Start	22642	End	27360
Name	OJ000130_45.0328.C3.o6.np	Method	AAT/NAP
Start	22651	End	27150
GI	4895219	Score	315
Exons	22651..22742, 22972..23185, 25645..25775, 27104..27150		
GI Descrip.	(AC007660) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		

Seq. No.	43794	Seq. ID	OJ000130_45.0328.C4
Gene No.	91947	Strand	+
Start	99	End	290
Name	OJ000130_45.0328.C4.o1.gs	Method	GENSCAN
Start	99	End	290
GI	none	Score	.7
Exons	99..290		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91948	Strand	+
Start	3371	End	20478
Name	OJ000130_45.0328.C5.o3.np	Method	AAT/NAP
Start	3371	End	20478
GI	5295955	Score	941
Exons	3371..3432, 7518..7890, 9368..9482, 17340..17523, 17778..17847, 18390..18504, 19185..19384, 19963..20166, 20246..20312, 20352..20478		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555)		

[Oryza sativa]

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91948	Strand	+
Start	3371	End	20478
Name	OJ000130_45.0328.C5.o2.np	Method	AAT/NAP
Start	4219	End	6005
GI	6721512	Score	96
Exons	4219..4314, 4342..4474, 5978..6005		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91948	Strand	+
Start	3371	End	20478
Name	OJ000130_45.0328.C5.o3.gs	Method	GENSCAN
Start	9278	End	10672
GI	none	Score	.67
Exons	9278..9445, 9736..9797, 10068..10224, 10634..10672		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91948	Strand	+
Start	3371	End	20478
Name	OJ000130_45.0328.C5.o5.gs	Method	GENSCAN
Start	15256	End	19008
GI	none	Score	.57
Exons	15256..15257, 15832..16129, 16176..16278, 16454..16605, 17317..17370, 17778..17915, 18390..18513, 18920..19008		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91949	Strand	-
Start	2303	End	3011
Name	OJ000130_45.0328.C5.o1.np	Method	AAT/NAP
Start	2303	End	3011
GI	5042454	Score	338
Exons	2303..2788, 2870..3011		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91950	Strand	-
Start	7249	End	7827
Name	OJ000130_45.0328.C5.o2.gs	Method	GENSCAN
Start	7249	End	7827
GI	none	Score	.92
Exons	7249..7448, 7686..7827		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91951	Strand	-
Start	19953	End	20376
Name	OJ000130_45.0328.C5.o1.tw	Method	TBLASTX:Wheat
Start	2309	End	2700
GI	none	Score	94
Exons	2309..2560, 2310..2561, 2552..2653, 2560..2655, 2656..2700		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91951	Strand	-
Start	19953	End	20376
Name	OJ000130_45.0328.C5.o2.tw	Method	TBLASTX:Wheat

Start	7267	End	7422
GI	none	Score	109
Exons	7267..7422, 7268..7420		

Seq. No.	43795	Seq. ID	OJ000130_45.0328.C5
Gene No.	91951	Strand	-
Start	19953	End	20376
Name	OJ000130_45.0328.C5.o6.gs	Method	GENSCAN
Start	19953	End	20376
GI	none	Score	.73
Exons	19953..20083, 20089..20170, 20263..20376		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91952	Strand	+
Start	55	End	6365
Name	OJ000130_45.0328.C6.o1.gs	Method	GENSCAN
Start	55	End	6365
GI	none	Score	.54
Exons	55..170, 747..995, 1061..1263, 1743..1944, 2304..2734, 3319..3385, 3810..4066, 5525..5814, 6345..6365		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91952	Strand	+
Start	55	End	6365
Name	OJ000130_45.0328.C6.o1.np	Method	AAT/NAP
Start	2311	End	2700
GI	6630739	Score	476
Exons	2311..2700		
GI Descrip.	(AL132958) pectate lyase-like protein [Arabidopsis thaliana]		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91953	Strand	+
Start	8578	End	10137
Name	OJ000130_45.0328.C6.o2.np	Method	AAT/NAP
Start	8578	End	10137
GI	4680186	Score	189
Exons	8578..8803, 9385..9449, 10084..10137		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91954	Strand	+
Start	10427	End	12039
Name	OJ000130_45.0328.C6.o3.np	Method	AAT/NAP
Start	10427	End	12039
GI	6907086	Score	562
Exons	10427..11201, 11260..11518, 11568..11599, 11705..12039		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91955	Strand	-
Start	12338	End	12646
Name	OJ000130_45.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	2308	End	2688
GI	none	Score	223
Exons	2308..2568, 2370..2456, 2496..2564, 2566..2688, 2568..2663, 2569..2688		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91955	Strand	-
Start	12338	End	12646
Name	OJ000130_45.0328.C6.o1.tw	Method	TBLASTX:Wheat
Start	2308	End	2625
GI	none	Score	230
Exons	2308..2610, 2403..2609, 2476..2625		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91955	Strand	-
Start	12338	End	12646
Name	OJ000130_45.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	2308	End	2693
GI	none	Score	465
Exons	2308..2688, 2370..2663, 2479..2688, 2556..2693		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91955	Strand	-
Start	12338	End	12646
Name	OJ000130_45.0328.C6.o1.ts	Method	TBLASTX:Soybean
Start	2323	End	2693
GI	none	Score	398
Exons	2323..2688, 2370..2687, 2476..2688, 2577..2693		

Seq. No.	43796	Seq. ID	OJ000130_45.0328.C6
Gene No.	91955	Strand	-
Start	12338	End	12646
Name	OJ000130_45.0328.C6.o4.np	Method	AAT/NAP
Start	12338	End	12646
GI	103076	Score	125
Exons	12338..12646		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	43797	Seq. ID	OJ000130_45.0328.C7
Gene No.	91956	Strand	+
Start	2726	End	3103
Name	OJ000130_45.0328.C7.o1.gp	Method	AAT/GAP
Start	2726	End	3103
GI	none	Score	720
Exons	2726..3103		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91957	Strand	+
Start	1	End	4118
Name	OJ000130_45.0328.C8.o1.gp	Method	AAT/GAP
Start	1	End	453
GI	9201_1.R1084	Score	893
Exons	1..453		
GI Descrip.	'3915096/sp\|O24312\|TCMO_POPTM 9.0e-69 TRANS-CINNAMATE 4-MONOOXYGENASE (CINNAMIC ACID 4-HYDROXYLASE) (CA4H) (C4H) (P450C4H) (CYTOCHROME P450 73) >gi_1574976 (U47293) trans-cinnamate 4-hydroxylase [Populus tremuloides]'		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91957	Strand	+
Start	1	End	4118

Name	OJ000130_45.0328.C8.o1.np	Method	AAT/NAP
Start	1	End	4115
GI	417863	Score	1839
Exons	1..697, 2322..2438, 3523..4115		
GI Descrip.	TRANS-CINNAMATE 4-MONOOXYGENASE (CINNAMIC ACID 4-HYDROXYLASE) (CA4H) (C4H) (P450C4H) (CYTOCHROME P450 73) gi\|476982\|pir\|\|A47454 trans-cinnamate 4-monooxygenase (EC 1.14.13.11) - Jerusalem artichoke gi\|18859\|emb\|CAA78982.1\| (Z17369) trans-cinnamate 4-monooxygenase [Helianthus tuberosus]		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91957	Strand	+
Start	1	End	4118
Name	OJ000130_45.0328.C8.o1.gs	Method	GENSCAN
Start	70	End	4118
GI	none	Score	.82
Exons	70..680, 2317..2438, 2780..2816, 3464..4118		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91957	Strand	+
Start	1	End	4118
Name	OJ000130_45.0328.C8.o2.gp	Method	AAT/GAP
Start	2303	End	3873
GI	15552_1.R1084	Score	899
Exons	2303..2438, 3523..3873		
GI Descrip.	'3915085/sp\|P92994\|TCMO_ARATH 2.0e-62 TRANS-CINNAMATE 4-MONOOXYGENASE (CINNAMIC ACID 4-HYDROXYLASE) (CA4H) (P450C4H) (CYTOCHROME P450 73) >gi_1773289 (U71081) cinnamate-4-hydroxylase [Arabidopsis thaliana] >gi_1946370 (U93215) cinnamate-4-hydroxylase [Arabidopsis thaliana]'		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91958	Strand	+
Start	5538	End	5597
Name	OJ000130_45.0328.C8.o4.gp	Method	AAT/GAP
Start	5538	End	5597
GI	2312838	Score	65
Exons	5538..5597		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91959	Strand	+
Start	10607	End	16515
Name	OJ000130_45.0328.C8.o3.np	Method	AAT/NAP
Start	10607	End	12419
GI	119713	Score	137
Exons	10607..10900, 11546..11611, 12286..12419		
GI Descrip.	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN) gi\|21627\|emb\|CAA39485\| (X56010) hydroxyproline-rich glycoprotein [Sorghum bicolor]		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91959	Strand	+
Start	10607	End	16515
Name	OJ000130_45.0328.C8.o4.gs	Method	GENSCAN
Start	11171	End	14859

GI	none	Score	.75
Exons	11171..11189, 12252..12543, 12599..13037, 13158..13316, 13339..13413, 14272..14859		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91959	Strand	+
Start	10607	End	16515
Name	OJ000130_45.0328.C8.o4.np	Method	AAT/NAP
Start	12717	End	16515
GI	6979320	Score	1432
Exons	12717..13037, 13102..13413, 14272..14966, 15205..15409, 15542..15951, 16059..16515		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91959	Strand	+
Start	10607	End	16515
Name	OJ000130_45.0328.C8.o5.gs	Method	GENSCAN
Start	15222	End	16378
GI	none	Score	.87
Exons	15222..15564, 15868..15951, 16059..16378		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91960	Strand	+
Start	34251	End	35399
Name	OJ000130_45.0328.C8.o7.gs	Method	GENSCAN
Start	34251	End	35399
GI	none	Score	.65
Exons	34251..35399		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91961	Strand	-
Start	3875	End	4341
Name	OJ000130_45.0328.C8.o3.gp	Method	AAT/GAP
Start	3875	End	4341
GI	2343_1.R1084	Score	882
Exons	3875..4341		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91962	Strand	-
Start	4486	End	5801
Name	OJ000130_45.0328.C8.o2.gs	Method	GENSCAN
Start	4486	End	5801
GI	none	Score	.53
Exons	4486..4514, 4711..4862, 5608..5801		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91963	Strand	-
Start	6475	End	10958
Name	OJ000130_45.0328.C8.o3.gs	Method	GENSCAN
Start	6475	End	10958
GI	none	Score	.74
Exons	6475..6689, 6845..6910, 8936..9068, 9813..9922, 10368..10445, 10565..10958		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91963	Strand	-
Start	6475	End	10958
Name	OJ000130_45.0328.C8.o2.np	Method	AAT/NAP
Start	6478	End	6887
GI	7487752	Score	75
Exons	6478..6709, 6841..6887		
GI Descrip.	hypothetical protein T6H20.110 - Arabidopsis thaliana gi\|5541673\|emb\|CAB51179.1\| (AL096859) putative protein [Arabidopsis thaliana]		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91964	Strand	-
Start	17085	End	32241
Name	OJ000130_45.0328.C8.o6.gs	Method	GENSCAN
Start	17085	End	32241
GI	none	Score	.46
Exons	17085..17561, 17621..17847, 18204..18543, 18576..18781, 18874..19065, 19255..19539, 19634..19948, 20922..20994, 21134..21228, 21506..21616, 21695..21850, 22412..22507, 23276..23301, 23333..23411, 23756..24037, 24091..24259, 24423..24518, 24949..24975, 25077..25188, 27282..27311, 28457..28574, 28640..28833, 29425..29692, 31059..31378, 32168..32241		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91964	Strand	-
Start	17085	End	32241
Name	OJ000130_45.0328.C8.o5.np	Method	AAT/NAP
Start	17609	End	21369
GI	6815062	Score	2670
Exons	17609..17841, 17896..17916, 18204..18781, 18874..19065, 19142..19539, 19634..19904, 20922..20994, 21213..21369		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91964	Strand	-
Start	17085	End	32241
Name	OJ000130_45.0328.C8.o5.gp	Method	AAT/GAP
Start	22416	End	22882
GI	2312698	Score	873
Exons	22416..22882		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	4196
GI	none	Score	931
Exons	1..696, 3..68, 139..348, 144..467, 549..581, 2342..2437, 2347..2445, 3518..3625, 3519..3626, 3602..4108, 3627..4106, 4147..4188, 4161..4196		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-

Start	36817	End	41913
Name	OJ000130_45.0328.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	4118
GI	none	Score	138
Exons	1..81, 3..71, 4..81, 85..714, 138..467, 521..547, 543..689, 2311..2445, 2313..2357, 2314..2433, 2371..2433, 3518..3625, 3519..3626, 3602..4117, 3627..4118		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	4108
GI	none	Score	947
Exons	1..681, 3..71, 144..467, 546..581, 2314..2445, 2339..2437, 3518..3625, 3519..3626, 3626..3820, 3627..4106, 3648..3830, 3878..4108		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	255
GI	none	Score	412
Exons	1..255, 3..71, 138..254		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o4.tw	Method	TBLASTX:Wheat
Start	3795	End	4133
GI	none	Score	91
Exons	3795..3890, 3899..4108, 3900..4133		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o8.tw	Method	TBLASTX:Wheat
Start	15579	End	15959
GI	none	Score	181
Exons	15579..15959		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o3.tm	Method	TBLASTX:Maize
Start	19003	End	19700
GI	none	Score	46
Exons	19003..19077, 19036..19077, 19139..19426, 19139..19450, 19143..19448, 19473..19547, 19478..19546, 19611..19700		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o8.gs	Method	GENSCAN
Start	36817	End	41913
GI	none	Score	.45

Exons	36817..37023, 38444..38524, 39012..39116, 40738..41913		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o6.tm	Method	TBLASTX:Maize
Start	38961	End	39255
GI	none	Score	38
Exons	38961..39062, 38983..39075, 39057..39254, 39060..39254, 39142..39255		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o5.tw	Method	TBLASTX:Wheat
Start	39331	End	39701
GI	none	Score	121
Exons	39331..39564, 39333..39440, 39510..39701		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	39430	End	39897
GI	none	Score	70
Exons	39430..39507, 39525..39896, 39709..39897		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o3.tw	Method	TBLASTX:Wheat
Start	39795	End	40346
GI	none	Score	287
Exons	39795..39911, 39939..39977, 39984..40346		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o2.ts	Method	TBLASTX:Soybean
Start	39969	End	40496
GI	none	Score	114
Exons	39969..40154, 40143..40370, 40171..40380, 40440..40496		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	40101	End	40950
GI	none	Score	93
Exons	40101..40730, 40102..40374, 40434..40580, 40441..40716, 40729..40911, 40729..40950, 40733..40927		
Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o7.tw	Method	TBLASTX:Wheat
Start	40353	End	40697

GI	none	Score	96
Exons	40353..40433, 40425..40577, 40587..40697		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o6.tw	Method	TBLASTX:Wheat
Start	40698	End	40899
GI	none	Score	113
Exons	40698..40730, 40719..40847, 40726..40899, 40730..40864		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o5.tm	Method	TBLASTX:Maize
Start	41089	End	41799
GI	none	Score	41
Exons	41089..41187, 41143..41334, 41308..41553, 41543..41623, 41600..41797, 41626..41796, 41677..41799		

Seq. No.	43798	Seq. ID	OJ000130_45.0328.C8
Gene No.	91965	Strand	-
Start	36817	End	41913
Name	OJ000130_45.0328.C8.o2.tw	Method	TBLASTX:Wheat
Start	41227	End	41641
GI	none	Score	165
Exons	41227..41568, 41228..41641		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91966	Strand	+
Start	3456	End	4033
Name	OJ000130_45.0328.C11.o1.gp	Method	AAT/GAP
Start	3456	End	4033
GI	none	Score	1081
Exons	3456..4033		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91967	Strand	-
Start	913	End	2145
Name	OJ000130_45.0328.C11.o1.gs	Method	GENSCAN
Start	913	End	2145
GI	none	Score	.58
Exons	913..1021, 1878..1956, 2001..2145		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91968	Strand	-
Start	3777	End	4648
Name	OJ000130_45.0328.C11.o1.np	Method	AAT/NAP
Start	2993	End	4648
GI	7406997	Score	143
Exons	2993..3036, 4214..4344, 4446..4648		
GI Descrip.	(AF193771) DNA-binding protein 4 [Nicotiana tabacum]		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91968	Strand	-
Start	3777	End	4648
Name	OJ000130_45.0328.C11.o2.gs	Method	GENSCAN

Start	3777	End	4550
GI	none	Score	.84
Exons	3777..4344, 4446..4550		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91968	Strand	-
Start	3777	End	4648
Name	OJ000130_45.0328.C11.o2.gp	Method	AAT/GAP
Start	3955	End	4404
GI	2800142	Score	605
Exons	3955..4404		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91968	Strand	-
Start	3777	End	4648
Name	OJ000130_45.0328.C11.o1.ts	Method	TBLASTX:Soybean
Start	4221	End	4561
GI	none	Score	97
Exons	4221..4346, 4445..4561		

Seq. No.	43799	Seq. ID	OJ000130_45.0328.C11
Gene No.	91968	Strand	-
Start	3777	End	4648
Name	OJ000130_45.0328.C11.o1.tm	Method	TBLASTX:Maize
Start	4227	End	4520
GI	none	Score	79
Exons	4227..4346, 4228..4335, 4425..4508, 4445..4510, 4446..4520		

Seq. No.	43800	Seq. ID	OJ000130_45.0328.C12
Gene No.	91969	Strand	-
Start	281	End	3227
Name	OJ000130_45.0328.C12.o1.gp	Method	AAT/GAP
Start	281	End	696
GI	none	Score	739
Exons	281..696		

Seq. No.	43800	Seq. ID	OJ000130_45.0328.C12
Gene No.	91969	Strand	-
Start	281	End	3227
Name	OJ000130_45.0328.C12.o1.gs	Method	GENSCAN
Start	281	End	3227
GI	none	Score	.63
Exons	281..589, 752..909, 1118..1190, 2912..3227		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91970	Strand	+
Start	70	End	579
Name	OJ000350_46.0322.C2.o1.gs	Method	GENSCAN
Start	70	End	579
GI	none	Score	.84
Exons	70..579		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91971	Strand	+
Start	4170	End	5729
Name	OJ000350_46.0322.C2.o2.np	Method	AAT/NAP
Start	4170	End	5729

GI	6016871	Score	347
Exons	4170..4502, 4548..5511, 5563..5729		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91972	Strand	-
Start	1761	End	5280
Name	OJ000350_46.0322.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	5280
GI	none	Score	134
Exons	1..180, 7..171, 2394..2492, 2394..2489, 2470..2619, 2508..2600, 5068..5271, 5069..5272, 5122..5280		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91972	Strand	-
Start	1761	End	5280
Name	OJ000350_46.0322.C2.o1.np	Method	AAT/NAP
Start	1761	End	2232
GI	6069646	Score	170
Exons	1761..2232		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91972	Strand	-
Start	1761	End	5280
Name	OJ000350_46.0322.C2.o3.tm	Method	TBLASTX:Maize
Start	1792	End	2235
GI	none	Score	64
Exons	1792..1974, 1999..2133, 2121..2189, 2191..2235		

Seq. No.	43801	Seq. ID	OJ000350_46.0322.C2
Gene No.	91972	Strand	-
Start	1761	End	5280
Name	OJ000350_46.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	4231	End	4465
GI	none	Score	95
Exons	4231..4452, 4233..4463, 4247..4465, 4247..4465		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91973	Strand	+
Start	3090	End	6947
Name	OJ000350_46.0322.C3.o2.gs	Method	GENSCAN
Start	3090	End	6462
GI	none	Score	.64
Exons	3090..3105, 4193..4332, 4375..4686, 4876..4895, 5004..5658, 6161..6223, 6299..6462		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91973	Strand	+
Start	3090	End	6947
Name	OJ000350_46.0322.C3.o1.gp	Method	AAT/GAP
Start	4081	End	4295

GI	3090615	Score	365
Exons	4081..4295		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91973	Strand	+
Start	3090	End	6947
Name	OJ000350_46.0322.C3.o1.np	Method	AAT/NAP
Start	5590	End	6947
GI	2315153	Score	393
Exons	5590..5654, 5749..5836, 6161..6223, 6299..6466, 6927..6947		
GI Descrip.	(Y14316) MAP3K gamma protein kinase [Arabidopsis thaliana]		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91974	Strand	-
Start	1594	End	1773
Name	OJ000350_46.0322.C3.o1.gs	Method	GENSCAN
Start	1594	End	1773
GI	none	Score	.79
Exons	1594..1773		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91975	Strand	
Start	5290	End	6472
Name	OJ000350_46.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	5290	End	5817
GI	none	Score	403
Exons	5290..5658, 5367..5651, 5740..5817, 5741..5815, 5749..5817		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91975	Strand	
Start	5290	End	6472
Name	OJ000350_46.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	5590	End	6472
GI	none	Score	83
Exons	5590..5652, 5739..5837, 5746..5847, 5750..5836, 6158..6226, 6160..6225, 6283..6462, 6302..6472		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91975	Strand	
Start	5290	End	6472
Name	OJ000350_46.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	5740	End	6472
GI	none	Score	123
Exons	5740..5841, 5741..5836, 6158..6226, 6160..6225, 6273..6374, 6289..6456, 6300..6419, 6302..6472		

Seq. No.	43802	Seq. ID	OJ000350_46.0322.C3
Gene No.	91975	Strand	
Start	5290	End	6472
Name	OJ000350_46.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	6158	End	6472
GI	none	Score	112
Exons	6158..6226, 6159..6218, 6160..6222, 6301..6462, 6302..6472		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91976	Strand	+
Start	152	End	4187

Name	OJ000350_46.0322.C4.o1.np	Method	AAT/NAP
Start	152	End	4187
GI	2315153	Score	396
Exons	152..229, 649..708, 1313..1432, 1728..1884, 4148..4187		
GI Descrip.	(Y14316) MAP3K gamma protein kinase [Arabidopsis thaliana]		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91976	Strand	+
Start	152	End	4187
Name	OJ000350_46.0322.C4.o1.gs	Method	GENSCAN
Start	154	End	2405
GI	none	Score	.73
Exons	154..229, 649..708, 1313..1432, 1728..1937, 2007..2086, 2192..2405		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91977	Strand	+
Start	5659	End	7080
Name	OJ000350_46.0322.C4.o3.np	Method	AAT/NAP
Start	5659	End	7080
GI	5852084	Score	75
Exons	5659..5704, 6985..7080		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91978	Strand	-
Start	4037	End	7290
Name	OJ000350_46.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	148	End	1882
GI	none	Score	106
Exons	148..216, 149..226, 649..711, 1352..1432, 1354..1431, 1727..1882, 1728..1880		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91978	Strand	-
Start	4037	End	7290
Name	OJ000350_46.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	149	End	1883
GI	none	Score	129
Exons	149..235, 151..228, 667..711, 669..740, 1348..1431, 1352..1441, 1355..1432, 1730..1882, 1731..1883		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91978	Strand	-
Start	4037	End	7290
Name	OJ000350_46.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	149	End	2399
GI	none	Score	133
Exons	149..244, 149..235, 151..237, 649..711, 651..710, 1310..1432, 1315..1431, 1727..1933, 1727..1933, 1728..1934, 2022..2075, 2030..2086, 2201..2245, 2268..2399		

Seq. No.	43803	Seq. ID	OJ000350_46.0322.C4
Gene No.	91978	Strand	-
Start	4037	End	7290
Name	OJ000350_46.0322.C4.o2.np	Method	AAT/NAP
Start	4037	End	7290

GI	6553928	Score	105
Exons	4037..4064, 6200..6355, 7263..7290		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91979	Strand	+
Start	2287	End	4158
Name	OJ000350_46.0322.C5.o2.gs	Method	GENSCAN
Start	2287	End	3982
GI	none	Score	.52
Exons	2287..2299, 2394..2675, 2967..3410, 3546..3623, 3893..3982		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91979	Strand	+
Start	2287	End	4158
Name	OJ000350_46.0322.C5.o1.np	Method	AAT/NAP
Start	2395	End	4158
GI	4680203	Score	1211
Exons	2395..4038, 4119..4158		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91980	Strand	-
Start	11	End	624
Name	OJ000350_46.0322.C5.o1.gs	Method	GENSCAN
Start	11	End	624
GI	none	Score	.51
Exons	11..624		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	2753	End	3433
GI	none	Score	234
Exons	2753..3169, 3178..3288, 3182..3301, 3304..3390, 3308..3433		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	2825	End	3162
GI	none	Score	47
Exons	2825..2872, 2830..2880, 2878..3162, 2879..3160		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o2.ts	Method	TBLASTX:Soybean
Start	3181	End	3448
GI	none	Score	226
Exons	3181..3447, 3185..3448		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o1.tc	Method	TBLASTX:Cress

Start	3182	End	3529
GI	none	Score	325
Exons	3182..3529, 3187..3336, 3376..3528		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	3368	End	3804
GI	none	Score	215
Exons	3368..3511, 3373..3600, 3374..3616, 3598..3738, 3623..3748, 3766..3804		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91981	Strand	
Start	2753	End	3804
Name	OJ000350_46.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	3434	End	3739
GI	none	Score	56
Exons	3434..3475, 3482..3577, 3484..3579, 3529..3738, 3623..3739		

Seq. No.	43804	Seq. ID	OJ000350_46.0322.C5
Gene No.	91982	Strand	
Start	3964	End	4152
Name	OJ000350_46.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	3964	End	4152
GI	none	Score	203
Exons	3964..4152, 3988..4152		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91983	Strand	+
Start	821	End	1344
Name	OJ000350_46.0322.C6.o1.gs	Method	GENSCAN
Start	821	End	1344
GI	none	Score	.8
Exons	821..980, 1184..1213, 1268..1344		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91984	Strand	+
Start	4489	End	11783
Name	OJ000350_46.0322.C6.o3.gs	Method	GENSCAN
Start	4489	End	11783
GI	none	Score	.61
Exons	4489..4585, 6074..6099, 9365..9447, 9829..9860, 10190..10619, 10695..10724, 10835..11102, 11309..11337, 11648..11783		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91985	Strand	+
Start	12219	End	12443
Name	OJ000350_46.0322.C6.o4.gs	Method	GENSCAN
Start	12219	End	12443
GI	none	Score	.85
Exons	12219..12443		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91986	Strand	-
Start	1	End	2729

Name	OJ000350_46.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	2516
GI	2317905	Score	160
Exons	1..65, 1952..2075, 2242..2516		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91986	Strand	-
Start	1	End	2729
Name	OJ000350_46.0322.C6.o2.gs	Method	GENSCAN
Start	1875	End	2729
GI	none	Score	.42
Exons	1875..1991, 2478..2729		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91987	Strand	
Start	4792	End	5355
Name	OJ000350_46.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	4792	End	5153
GI	none	Score	82
Exons	4792..4893, 4793..4894, 4908..5153		

Seq. No.	43805	Seq. ID	OJ000350_46.0322.C6
Gene No.	91987	Strand	
Start	4792	End	5355
Name	OJ000350_46.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	4902	End	5355
GI	none	Score	122
Exons	4902..4976, 4986..5354, 5164..5355		

Seq. No.	43806	Seq. ID	OJ000350_46.0322.C7
Gene No.	91988	Strand	+
Start	963	End	1775
Name	OJ000350_46.0322.C7.o1.gs	Method	GENSCAN
Start	963	End	1775
GI	none	Score	.92
Exons	963..1284, 1708..1775		

Seq. No.	43807	Seq. ID	OJ000350_46.0322.C8
Gene No.	91989	Strand	+
Start	546	End	3757
Name	OJ000350_46.0322.C8.o1.gs	Method	GENSCAN
Start	546	End	3757
GI	none	Score	.86
Exons	546..605, 1313..1381, 1676..1731, 3131..3223, 3580..3757		

Seq. No.	43807	Seq. ID	OJ000350_46.0322.C8
Gene No.	91990	Strand	+
Start	6138	End	6380
Name	OJ000350_46.0322.C8.o2.gp	Method	AAT/GAP
Start	6138	End	6380
GI	none	Score	450
Exons	6138..6380		

Seq. No.	43807	Seq. ID	OJ000350_46.0322.C8
Gene No.	91991	Strand	-
Start	4377	End	7482

Name	OJ000350_46.0322.C8.o1.gp	Method	AAT/GAP
Start	4195	End	4831
GI	2800183	Score	555
Exons	4195..4442, 4764..4831		

Seq. No.	43807	Seq. ID	OJ000350_46.0322.C8
Gene No.	91991	Strand	-
Start	4377	End	7482
Name	OJ000350_46.0322.C8.o2.gs	Method	GENSCAN
Start	4377	End	7417
GI	none	Score	.71
Exons	4377..4442, 4764..4844, 5283..5394, 6951..7417		

Seq. No.	43807	Seq. ID	OJ000350_46.0322.C8
Gene No.	91991	Strand	-
Start	4377	End	7482
Name	OJ000350_46.0322.C8.o3.gp	Method	AAT/GAP
Start	7053	End	7482
GI	none	Score	618
Exons	7053..7102, 7187..7482		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91992	Strand	+
Start	6860	End	7107
Name	OJ000350_46.0322.C9.o2.gs	Method	GENSCAN
Start	6860	End	7107
GI	none	Score	.81
Exons	6860..7048, 7075..7107		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.np	Method	AAT/NAP
Start	374	End	923
GI	4337175	Score	307
Exons	374..923		
GI Descrip.	(AC006416) ESTs gb\|T20589, gb\|T04648, gb\|AA597906, gb\|T04111, gb\|R84180, gb\|R65428, gb\|T44439, gb\|T76570, gb\|R90004, gb\|T45020, gb\|T42457, gb\|T20921, gb\|AA042762 and gb\|AA720210 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	469	End	4227
GI	none	Score	124
Exons	469..741, 510..704, 741..797, 773..817, 3887..4123, 3889..4077, 4118..4222, 4129..4227, 4131..4223		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.gs	Method	GENSCAN
Start	495	End	4302
GI	none	Score	.85
Exons	495..911, 1651..1807, 2310..2374, 2787..2862, 3172..3336,		

3878..4302

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	508	End	4289
GI	none	Score	111
Exons	508..741, 510..698, 739..897, 741..797, 849..899, 3877..4077, 3887..4120, 4115..4264, 4129..4200, 4131..4289		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	510	End	4185
GI	none	Score	81
Exons	510..581, 579..698, 595..741, 741..797, 849..908, 853..924, 3877..3951, 3967..4077, 4013..4120, 4123..4176, 4129..4185		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	567	End	4291
GI	none	Score	201
Exons	567..704, 568..738, 736..867, 773..853, 774..884, 852..932, 853..912, 3946..4083, 3947..4117, 4007..4117, 4115..4252, 4125..4283, 4128..4253, 4253..4291		

Seq. No.	43808	Seq. ID	OJ000350_46.0322.C9
Gene No.	91993	Strand	-
Start	495	End	4302
Name	OJ000350_46.0322.C9.o3.np	Method	AAT/NAP
Start	3771	End	4302
GI	4337175	Score	307
Exons	3771..4302		
GI Descrip.	(AC006416) ESTs gb\|T20589, gb\|T04648, gb\|AA597906, gb\|T04111, gb\|R84180, gb\|R65428, gb\|T44439, gb\|T76570, gb\|R90004, gb\|T45020, gb\|T42457, gb\|T20921, gb\|AA042762 and gb\|AA720210 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91994	Strand	+
Start	287	End	4348
Name	OJ000350_46.0322.C10.o1.np	Method	AAT/NAP
Start	287	End	4348
GI	6016871	Score	489
Exons	287..629, 3050..3462, 3500..4348		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91994	Strand	+
Start	287	End	4348
Name	OJ000350_46.0322.C10.o1.gs	Method	GENSCAN
Start	464	End	1971

GI	none	Score	.53
Exons	464..1717, 1858..1971		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91994	Strand	+
Start	287	End	4348
Name	OJ000350_46.0322.C10.o2.gs	Method	GENSCAN
Start	2728	End	4293
GI	none	Score	.66
Exons	2728..4293		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91995	Strand	+
Start	5671	End	8052
Name	OJ000350_46.0322.C10.o3.gs	Method	GENSCAN
Start	5671	End	8052
GI	none	Score	.65
Exons	5671..5727, 5750..5963, 6719..8052		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91996	Strand	+
Start	9308	End	11841
Name	OJ000350_46.0322.C10.o4.np	Method	AAT/NAP
Start	9308	End	11841
GI	6016871	Score	93
Exons	9308..9729, 11789..11841		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o5.tm	Method	TBLASTX:Maize
Start	950	End	7365
GI	none	Score	87
Exons	950..1036, 3118..3309, 3339..3413, 3340..3429, 7021..7248, 7276..7365		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o3.tm	Method	TBLASTX:Maize
Start	1186	End	7797
GI	none	Score	213
Exons	1186..1422, 1187..1471, 3595..3807, 3630..3818, 7512..7748, 7513..7797		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o5.np	Method	AAT/NAP
Start	9709	End	11502
GI	6069646	Score	796
Exons	9709..10696, 10963..11502		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o4.gs	Method	GENSCAN
Start	9788	End	11194
GI	none	Score	.68
Exons	9788..9966, 10050..10459, 10498..10610, 10808..11194		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o2.tm	Method	TBLASTX:Maize
Start	9916	End	10196
GI	none	Score	96
Exons	9916..10191, 10061..10195, 10080..10196		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o4.tm	Method	TBLASTX:Maize
Start	10407	End	10700
GI	none	Score	64
Exons	10407..10514, 10527..10700, 10528..10698		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	10635	End	11128
GI	none	Score	145
Exons	10635..10733, 10778..11128		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	10683	End	11107
GI	none	Score	55
Exons	10683..10736, 10687..10743, 10811..11107, 10812..11102		

Seq. No.	43809	Seq. ID	OJ000350_46.0322.C10
Gene No.	91997	Strand	-
Start	9709	End	11502
Name	OJ000350_46.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	10748	End	11435
GI	none	Score	127
Exons	10748..11434, 10898..11194, 11280..11435		

Seq. No.	43810	Seq. ID	OJ000350_46.0322.C11
Gene No.	91998	Strand	+
Start	2573	End	3623
Name	OJ000350_46.0322.C11.o2.gs	Method	GENSCAN
Start	2573	End	3623
GI	none	Score	.54

Exons	2573..2706, 2820..3214, 3502..3623		
Seq. No.	43810	Seq. ID	OJ000350_46.0322.C11
Gene No.	91999	Strand	-
Start	11314	End	13419
Name	OJ000350_46.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	2785	End	3054
GI	none	Score	198
Exons	2785..3054, 2817..2996		
Seq. No.	43810	Seq. ID	OJ000350_46.0322.C11
Gene No.	91999	Strand	-
Start	11314	End	13419
Name	OJ000350_46.0322.C11.o4.gs	Method	GENSCAN
Start	11314	End	13410
GI	none	Score	.56
Exons	11314..11409, 11967..12008, 13136..13245, 13287..13410		
Seq. No.	43810	Seq. ID	OJ000350_46.0322.C11
Gene No.	91999	Strand	-
Start	11314	End	13419
Name	OJ000350_46.0322.C11.o3.np	Method	AAT/NAP
Start	13073	End	13419
GI	2129677	Score	249
Exons	13073..13419		
GI Descrip.	probablel N-acetyltransferase hookless 1 - Arabidopsis thaliana gi\|1277090 (U50399) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi\|1277092 (U50400) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi\|4468983\|emb\|CAB38297\| (AL035605) probable N-acetyltransferase hookless 1 [Arabidopsis thaliana]		
Seq. No.	43811	Seq. ID	OJ000350_46.0322.C12
Gene No.	92000	Strand	-
Start	1	End	496
Name	OJ000350_46.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	460
GI	2129677	Score	312
Exons	1..194, 293..460		
GI Descrip.	probablel N-acetyltransferase hookless 1 - Arabidopsis thaliana gi\|1277090 (U50399) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi\|1277092 (U50400) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi\|4468983\|emb\|CAB38297\| (AL035605) probable N-acetyltransferase hookless 1 [Arabidopsis thaliana]		
Seq. No.	43811	Seq. ID	OJ000350_46.0322.C12
Gene No.	92000	Strand	-
Start	1	End	496
Name	OJ000350_46.0322.C12.o1.tc	Method	TBLASTX:Cress
Start	6	End	460
GI	none	Score	60
Exons	6..26, 109..201, 120..170, 281..373, 282..374, 374..460		
Seq. No.	43811	Seq. ID	OJ000350_46.0322.C12
Gene No.	92000	Strand	-
Start	1	End	496

Name	OJ000350_46.0322.C12.o1.gs	Method	GENSCAN
Start	102	End	496
GI	none	Score	.79
Exons	102..203, 296..496		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92001	Strand	+
Start	3187	End	5422
Name	OJ000350_46.0322.C14.o2.gs	Method	GENSCAN
Start	3187	End	5422
GI	none	Score	.74
Exons	3187..3263, 3515..3622, 3786..3965, 5338..5422		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92002	Strand	-
Start	70	End	3319
Name	OJ000350_46.0322.C14.o1.np	Method	AAT/NAP
Start	70	End	3319
GI	6016871	Score	409
Exons	70..178, 1082..1717, 1763..2274, 2314..2574, 3230..3319		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92003	Strand	-
Start	5638	End	11431
Name	OJ000350_46.0322.C14.o3.gs	Method	GENSCAN
Start	5638	End	7981
GI	none	Score	.89
Exons	5638..5867, 6457..7981		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92003	Strand	-
Start	5638	End	11431
Name	OJ000350_46.0322.C14.o3.np	Method	AAT/NAP
Start	6406	End	9032
GI	6016871	Score	377
Exons	6406..6712, 6758..7624, 7664..7979, 8950..9032		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92003	Strand	-
Start	5638	End	11431
Name	OJ000350_46.0322.C14.o6.np	Method	AAT/NAP
Start	8864	End	11431
GI	6016871	Score	420
Exons	8864..8953, 9850..10184, 10231..11024, 11067..11431		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92003	Strand	-
Start	5638	End	11431
Name	OJ000350_46.0322.C14.o4.np	Method	AAT/NAP
Start	9195	End	9997
GI	6007781	Score	230

Exons	9195..9488, 9899..9997		
GI Descrip.	(AF185271) NADH ubiquinone oxidoreductase PSST subunit [Lupinus luteus]		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92003	Strand	-
Start	5638	End	11431
Name	OJ000350_46.0322.C14.o1.gp	Method	AAT/GAP
Start	9719	End	10005
GI	2798603	Score	503
Exons	9719..10005		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92004	Strand	-
Start	11537	End	12435
Name	OJ000350_46.0322.C14.o2.gp	Method	AAT/GAP
Start	11537	End	12435
GI	85209_1.R1084	Score	876
Exons	11537..11772, 12193..12435		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o7.tm	Method	TBLASTX:Maize
Start	1441	End	21453
GI	none	Score	129
Exons	1441..1716, 1499..1678, 6881..7162, 6930..7157, 6938..7162, 10251..10532, 10260..10532, 21168..21452, 21177..21449, 21217..21453		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o8.tm	Method	TBLASTX:Maize
Start	1900	End	21905
GI	none	Score	68
Exons	1900..1989, 1913..1990, 2020..2280, 7313..7402, 7430..7588, 10683..10772, 10696..10773, 10800..10976, 21603..21695, 21613..21696, 21717..21905		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o1.tc	Method	TBLASTX:Cress
Start	9198	End	9407
GI	none	Score	121
Exons	9198..9350, 9198..9350, 9342..9407, 9344..9406		
Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o4.ts	Method	TBLASTX:Soybean
Start	9198	End	9407
GI	none	Score	168
Exons	9198..9356, 9198..9350, 9342..9407, 9344..9406		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o4.tm	Method	TBLASTX:Maize
Start	9198	End	9407
GI	none	Score	171
Exons	9198..9350, 9198..9350, 9342..9407, 9344..9406		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o5.gs	Method	GENSCAN
Start	13515	End	15360
GI	none	Score	.51
Exons	13515..13576, 14810..14924, 15265..15360		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o7.np	Method	AAT/NAP
Start	15160	End	19118
GI	4388818	Score	2591
Exons	15160..19118		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	15165	End	15590
GI	none	Score	110
Exons	15165..15347, 15169..15348, 15169..15354, 15348..15590, 15349..15585		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o3.ts	Method	TBLASTX:Soybean
Start	15169	End	15566
GI	none	Score	56
Exons	15169..15282, 15284..15334, 15292..15351, 15348..15566, 15349..15564		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o4.tc	Method	TBLASTX:Cress
Start	15169	End	15767
GI	none	Score	58
Exons	15169..15351, 15393..15539, 15540..15644, 15639..15767		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o4.tw	Method	TBLASTX:Wheat

Start	15193	End	15627
GI	none	Score	37
Exons	15193..15351, 15253..15357, 15411..15614, 15436..15627		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o2.tm	Method	TBLASTX:Maize
Start	15646	End	16092
GI	none	Score	213
Exons	15646..15957, 15649..15897, 15651..15956, 15933..16091, 15981..16073, 16000..16092		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o5.tw	Method	TBLASTX:Wheat
Start	15741	End	16364
GI	none	Score	57
Exons	15741..16079, 15760..15924, 15909..16121, 16212..16364		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o6.gs	Method	GENSCAN
Start	16083	End	23577
GI	none	Score	.68
Exons	16083..16885, 17141..17294, 17315..17449, 17519..19176, 19368..19617, 20578..20673, 20925..21803, 21983..22239, 23466..23577		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o3.gp	Method	AAT/GAP
Start	16122	End	16364
GI	1621494	Score	422
Exons	16122..16364		
GI Descrip.	1621495/dbj\|BAA12903\| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	16145	End	16499
GI	none	Score	93
Exons	16145..16405, 16148..16405, 16155..16478, 16155..16499, 16204..16479		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o3.tm	Method	TBLASTX:Maize
Start	16155	End	16526
GI	none	Score	108
Exons	16155..16523, 16228..16488, 16425..16526		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o3.tc	Method	TBLASTX:Cress
Start	16317	End	16523
GI	none	Score	74
Exons	16317..16523, 16317..16523		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	16365	End	16801
GI	none	Score	392
Exons	16365..16778, 16365..16799, 16613..16801		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o2.tc	Method	TBLASTX:Cress
Start	16980	End	17446
GI	none	Score	75
Exons	16980..17138, 17023..17139, 17154..17330, 17333..17446		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o2.ts	Method	TBLASTX:Soybean
Start	17013	End	17464
GI	none	Score	57
Exons	17013..17150, 17136..17330, 17206..17316, 17333..17464, 17337..17435		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o3.tw	Method	TBLASTX:Wheat
Start	17076	End	17683
GI	none	Score	114
Exons	17076..17138, 17155..17235, 17333..17683, 17364..17672		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o5.tm	Method	TBLASTX:Maize
Start	17214	End	17698
GI	none	Score	76
Exons	17214..17330, 17333..17698, 17337..17504, 17345..17605		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o2.tw	Method	TBLASTX:Wheat
Start	18389	End	18814
GI	none	Score	42
Exons	18389..18457, 18399..18434, 18460..18555, 18521..18580,		

18572..18682, 18573..18665, 18662..18814, 18669..18794

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o9.np	Method	AAT/NAP
Start	19907	End	22351
GI	6016871	Score	435
Exons	19907..20023, 20800..20993, 21047..21886, 21934..22351		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92005	Strand	-
Start	13515	End	23577
Name	OJ000350_46.0322.C14.o10.np	Method	AAT/NAP
Start	20797	End	22351
GI	6016871	Score	439
Exons	20797..20993, 21047..21886, 21934..22351		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92006	Strand	
Start	24935	End	25494
Name	OJ000350_46.0322.C14.o6.tw	Method	TBLASTX:Wheat
Start	24935	End	25291
GI	none	Score	182
Exons	24935..24982, 24965..25291		

Seq. No.	43812	Seq. ID	OJ000350_46.0322.C14
Gene No.	92006	Strand	
Start	24935	End	25494
Name	OJ000350_46.0322.C14.o6.tm	Method	TBLASTX:Maize
Start	25034	End	25494
GI	none	Score	65
Exons	25034..25108, 25115..25351, 25121..25309, 25374..25493, 25396..25494		

Seq. No.	43813	Seq. ID	OJ000350_46.0322.C15
Gene No.	92007	Strand	-
Start	538	End	4050
Name	OJ000350_46.0322.C15.o1.np	Method	AAT/NAP
Start	538	End	2125
GI	6016871	Score	426
Exons	538..859, 905..1272, 1306..1637, 1695..2125		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43813	Seq. ID	OJ000350_46.0322.C15
Gene No.	92007	Strand	-
Start	538	End	4050
Name	OJ000350_46.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	961	End	4050
GI	none	Score	136
Exons	961..1149, 967..1140, 972..1184, 3768..4049, 3777..3914, 3826..4044, 3832..4050		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	8116
GI	4008156	Score	7905
Exons	1..1824, 2045..2206, 2321..2475, 3004..3873, 4172..4641, 4726..4790, 4914..5257, 5340..5519, 5626..5729, 5862..5971, 6457..6553, 6947..7047, 7133..7285, 7370..7483, 7574..7693, 7769..8116		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.gp	Method	AAT/GAP
Start	350	End	8485
GI	42_1.R1084	Score	9446
Exons	350..1824, 2045..2206, 2321..2475, 3004..3873, 4172..4641, 4726..4790, 4914..5257, 5340..5519, 5626..5729, 5862..5971, 6457..6553, 6947..7047, 7133..7285, 7370..7483, 7574..7693, 7769..8181, 8452..8485		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	351	End	998
GI	none	Score	678
Exons	351..995, 352..996, 352..993, 813..998		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	397	End	7849
GI	none	Score	44
Exons	397..993, 419..505, 529..831, 581..862, 923..994, 1285..1830, 1394..1747, 2030..2209, 2048..2206, 2321..2410, 2325..2414, 3446..3643, 3509..3604, 3683..3820, 3684..3836, 4173..4277, 4317..4640, 4389..4619, 4405..4632, 4971..5126, 5004..5102, 5187..5255, 5344..5412, 5346..5411, 5425..5514, 5861..5968, 5862..5954, 7145..7285, 7367..7435, 7580..7693, 7611..7694, 7793..7849		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o4.ts	Method	TBLASTX:Soybean
Start	397	End	5117
GI	none	Score	135

Exons	397..831, 529..789, 581..832, 1333..1830, 1394..1831, 3683..3820, 4167..4256, 4317..4640, 4386..4640, 4402..4641, 4758..4844, 4977..5063, 5079..5117		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.gs	Method	GENSCAN
Start	406	End	8116
GI	none	Score	.94
Exons	406..1824, 2045..2206, 2321..2475, 3004..3873, 4172..4641, 4726..4790, 4914..5257, 5340..5519, 5626..5729, 5862..5971, 6457..6553, 6947..7047, 7133..7285, 7370..7483, 7769..8116		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	834	End	1332
GI	none	Score	77
Exons	834..947, 835..1191, 835..1332, 917..1330, 1231..1332		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	1282	End	2092
GI	none	Score	224
Exons	1282..1818, 1394..1747, 1603..1818, 2048..2092		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	1618	End	2209
GI	none	Score	87
Exons	1618..1830, 1631..1738, 2048..2206, 2049..2165, 2063..2209		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o3.ts	Method	TBLASTX:Soybean
Start	2027	End	3056
GI	none	Score	124
Exons	2027..2209, 2045..2206, 2049..2210, 2061..2207, 2321..2476, 2325..2462, 3002..3055, 3003..3056		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	2093	End	2374
GI	none	Score	161
Exons	2093..2209, 2093..2206, 2097..2207, 2321..2374, 2322..2372		
Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-

Start	1	End	8485
Name	OJ000350_40.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	3032	End	3443
GI	none	Score	325
Exons	3032..3442, 3036..3368, 3038..3433, 3159..3443		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	3173	End	3539
GI	none	Score	292
Exons	3173..3526, 3177..3527, 3207..3539, 3328..3531		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	3297	End	3730
GI	none	Score	38
Exons	3297..3353, 3386..3643, 3429..3617, 3674..3718, 3683..3730		

Seq. No.	43814	Seq. ID	OJ000350_40.0323.C2
Gene No.	92008	Strand	-
Start	1	End	8485
Name	OJ000350_40.0323.C2.o5.ts	Method	TBLASTX:Soybean
Start	5067	End	5433
GI	none	Score	115
Exons	5067..5261, 5124..5261, 5146..5280, 5341..5433, 5345..5431		

Seq. No.	43815	Seq. ID	OJ000350_40.0323.C3
Gene No.	92009	Strand	+
Start	153	End	1410
Name	OJ000350_40.0323.C3.o1.gs	Method	GENSCAN
Start	175	End	1410
GI	none	Score	.6
Exons	175..379, 601..713, 976..1410		

Seq. No.	43815	Seq. ID	OJ000350_40.0323.C3
Gene No.	92010	Strand	+
Start	6102	End	7554
Name	OJ000350_40.0323.C3.o1.np	Method	AAT/NAP
Start	6102	End	7554
GI	7340860	Score	86
Exons	6102..6125, 7390..7554		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43815	Seq. ID	OJ000350_40.0323.C3
Gene No.	92011	Strand	-
Start	3800	End	7239
Name	OJ000350_40.0323.C3.o2.gs	Method	GENSCAN
Start	3800	End	7239
GI	none	Score	.5
Exons	3800..3961, 4492..4763, 5077..5159, 7175..7239		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4

Gene No.	92012	Strand	+
Start	1555	End	2928
Name	OJ000350_40.0323.C4.o1.gs	Method	GENSCAN
Start	1555	End	2928
GI	none	Score	.79
Exons	1555..1662, 2824..2928		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92013	Strand	+
Start	7180	End	7561
Name	OJ000350_40.0323.C4.o2.gp	Method	AAT/GAP
Start	7180	End	7561
GI	none	Score	760
Exons	7180..7561		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o3.gs	Method	GENSCAN
Start	15728	End	34889
GI	none	Score	.52
Exons	15728..15884, 16428..16786, 17140..17219, 17302..17353, 17928..17996, 18238..18354, 18443..18493, 19001..19136, 20150..20348, 20816..20973, 22315..22852, 22947..23882, 24435..24572, 25323..25430, 25494..25715, 26523..26991, 29451..29648, 30014..30258, 30595..30753, 31337..31424, 31829..32038, 32582..32714, 33534..33659, 33951..34231, 34659..34761, 34789..34889		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o3.np	Method	AAT/NAP
Start	16436	End	19141
GI	6751712	Score	1072
Exons	16436..16786, 17140..17353, 17447..17488, 17576..17654, 17817..17848, 17928..17996, 18083..18157, 18238..18354, 18443..18493, 19001..19141		
GI Descrip.	(AC018848) unknown protein [Arabidopsis thaliana]		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o4.gp	Method	AAT/GAP
Start	16528	End	19357
GI	2400_1.R1084	Score	2161
Exons	16528..16786, 17140..17219, 17302..17353, 17447..17488, 17576..17654, 17817..17848, 17928..17996, 18083..18157, 18238..18354, 18443..18493, 19001..19357		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o4.np	Method	AAT/NAP
Start	25588	End	32107

GI	6648606	Score	1920
Exons	25588..25715, 26523..26991, 29451..29648, 30014..30258, 30595..30753, 31337..31424, 31829..32107		
GI Descrip.	(AF048706) CAD ATPase; AAA1 [Arabidopsis thaliana] gi\|6751710\|gb\|AAF27692.1\|AC018848_9 (AC018848) CAD ATPase (AAA1) [Arabidopsis thaliana]		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o6.gp	Method	AAT/GAP
Start	29492	End	30755
GI	21063_1.R1084	Score	1038
Exons	29492..29648, 30014..30258, 30595..30755		
GI Descrip.	'3098603 4.0e-74 (AF052191) katanin p60 subunit [Strongylocentrotus purpuratus]'		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92014	Strand	+
Start	15728	End	34889
Name	OJ000350_40.0323.C4.o7.gp	Method	AAT/GAP
Start	31825	End	32449
GI	16329_1.R1084	Score	1128
Exons	31825..32449		
GI Descrip.	'3283072 3.0e-13 (AF056022) p60 katanin [Homo sapiens]'		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92015	Strand	+
Start	41734	End	42165
Name	OJ000350_40.0323.C4.o5.gs	Method	GENSCAN
Start	41734	End	42165
GI	none	Score	.46
Exons	41734..42165		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92016	Strand	+
Start	44156	End	55048
Name	OJ000350_40.0323.C4.o6.gs	Method	GENSCAN
Start	44156	End	55048
GI	none	Score	.56
Exons	44156..44207, 46329..46408, 46678..46895, 47701..47773, 48490..48716, 49038..49133, 49659..49915, 50758..51010, 51093..51183, 51672..51728, 52249..52299, 52379..52422, 52523..52586, 52777..52863, 53154..53245, 53340..53473, 53581..53669, 54727..54870, 55007..55048		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92016	Strand	+
Start	44156	End	55048
Name	OJ000350_40.0323.C4.o9.gp	Method	AAT/GAP
Start	51545	End	51625
GI	38012_1.R1084	Score	101
Exons	51545..51625		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4

Gene No.	92016	Strand	+
Start	44156	End	55048
Name	OJ000350_40.0323.C4.o6.np	Method	AAT/NAP
Start	54210	End	55033
GI	6598627	Score	263
Exons	54210..54243, 54400..54492, 54568..54632, 54727..54870, 55007..55033		
GI Descrip.	(AC006837) unknown protein [Arabidopsis thaliana]		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92017	Strand	+
Start	62978	End	65225
Name	OJ000350_40.0323.C4.o10.gp	Method	AAT/GAP
Start	62978	End	65225
GI	15886_1.R1084	Score	1414
Exons	62978..63125, 63709..63904, 64818..65225		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92018	Strand	+
Start	77180	End	83339
Name	OJ000350_40.0323.C4.o12.gp	Method	AAT/GAP
Start	77180	End	79476
GI	701282	Score	594
Exons	77180..77368, 79341..79476		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92018	Strand	+
Start	77180	End	83339
Name	OJ000350_40.0323.C4.o12.gs	Method	GENSCAN
Start	79335	End	83339
GI	none	Score	.6
Exons	79335..79600, 79796..80083, 80231..80341, 80661..80751, 80992..81144, 81250..81327, 81473..81562, 81886..82104, 82217..82307, 82906..83138, 83223..83339		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92018	Strand	+
Start	77180	End	83339
Name	OJ000350_40.0323.C4.o8.np	Method	AAT/NAP
Start	79564	End	82336
GI	7487485	Score	472
Exons	79564..79646, 79796..80083, 80231..80341, 80661..80751, 80992..81060, 81250..81327, 81473..81562, 81733..81783, 81886..82104, 82217..82336		
GI Descrip.	hypothetical protein T27I1.12 - Arabidopsis thaliana gi\|3540189\|gb\|AAC34339.1\| (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92018	Strand	+
Start	77180	End	83339
Name	OJ000350_40.0323.C4.o13.gp	Method	AAT/GAP
Start	80790	End	81601
GI	uC-osrocyp036e02b1	Score	851
Exons	80790..81060, 81250..81327, 81473..81601		

GI Descrip.	'3540189 4.0e-17 (AC004122) Hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92018	Strand	+
Start	77180	End	83339
Name	OJ000350_40.0323.C4.o14.gp	Method	AAT/GAP
Start	81751	End	82453
GI	none	Score	1136
Exons	81751..82104, 82217..82453		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92019	Strand	-
Start	3559	End	13354
Name	OJ000350_40.0323.C4.o2.gs	Method	GENSCAN
Start	3559	End	13354
GI	none	Score	.46
Exons	3559..3728, 3839..3900, 4809..4945, 5255..5432, 5503..6022, 7669..8277, 8608..8732, 9722..9855, 9957..10818, 11462..11561, 11674..11707, 11889..12143, 12287..12466, 12625..12754, 13317..13354		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92019	Strand	-
Start	3559	End	13354
Name	OJ000350_40.0323.C4.o1.np	Method	AAT/NAP
Start	6863	End	6962
GI	140503	Score	87
Exons	6863..6962		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi\|82518\|pir\|\|JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi\|12041\|emb\|CAA33945\| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi\|12061\|emb\|CAA33915\| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi\|226660\|prf\|\|1603356CL trnI intron ORF 133 [Oryza sativa]		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92019	Strand	-
Start	3559	End	13354
Name	OJ000350_40.0323.C4.o3.gp	Method	AAT/GAP
Start	11925	End	12366
GI	none	Score	880
Exons	11925..12366		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92020	Strand	-
Start	33306	End	38147
Name	OJ000350_40.0323.C4.o5.np	Method	AAT/NAP
Start	33306	End	36544
GI	5852093	Score	71
Exons	33306..33328, 35052..35159, 36524..36544		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92020	Strand	-
Start	33306	End	38147
Name	OJ000350_40.0323.C4.o4.gs	Method	GENSCAN

Start	35559	End	38147
GI	none	Score	.4
Exons	35559..35614, 35968..36039, 37724..37806, 38131..38147		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92021	Strand	-
Start	43225	End	43614
Name	OJ000350_40.0323.C4.o8.gp	Method	AAT/GAP
Start	43225	End	43614
GI	286945	Score	705
Exons	43225..43614		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92022	Strand	-
Start	54688	End	63913
Name	OJ000350_40.0323.C4.o7.np	Method	AAT/NAP
Start	54688	End	61240
GI	5103809	Score	1318
Exons	54688..54754, 55703..55841, 55946..56040, 56182..56435, 57501..57592, 58165..58249, 58363..58479, 58570..58649, 58743..58797, 58960..59050, 59759..59818, 59966..60031, 61089..61240		
GI Descrip.	(AC007591) Similar to gb\|AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb\|N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92022	Strand	-
Start	54688	End	63913
Name	OJ000350_40.0323.C4.o7.gs	Method	GENSCAN
Start	56206	End	63913
GI	none	Score	.7
Exons	56206..56268, 57501..57612, 59759..59818, 61089..61281, 61516..61672, 62473..62692, 62987..63223, 63302..63387, 63854..63913		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92023	Strand	-
Start	68455	End	70342
Name	OJ000350_40.0323.C4.o9.gs	Method	GENSCAN
Start	68455	End	70342
GI	none	Score	.48
Exons	68455..68744, 69033..69222, 69972..70082, 70340..70342		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92024	Strand	-
Start	72545	End	77285
Name	OJ000350_40.0323.C4.o11.gs	Method	GENSCAN
Start	72545	End	77285
GI	none	Score	.44
Exons	72545..72637, 72901..72977, 73065..73141, 75453..75684, 77059..77230, 77235..77285		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o10.tm	Method	TBLASTX:Maize

Start	7457	End	7638
GI	none	Score	197
Exons	7457..7636, 7480..7638, 7482..7637		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o4.ts	Method	TBLASTX:Soybean
Start	7514	End	8071
GI	none	Score	63
Exons	7514..7633, 7517..7633, 7667..7699, 7667..7909, 7760..7855, 7925..8071, 7926..8051		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o12.tm	Method	TBLASTX:Maize
Start	7896	End	8179
GI	none	Score	135
Exons	7896..8039, 7898..8041, 8042..8074, 8043..8066, 8067..8165, 8069..8179		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o5.tm	Method	TBLASTX:Maize
Start	8198	End	10055
GI	none	Score	215
Exons	8198..8359, 8234..8359, 9700..9858, 9701..9856, 9714..9857, 9720..9869, 9945..10055, 9957..10055		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	10077	End	10563
GI	none	Score	316
Exons	10077..10340, 10078..10341, 10078..10341, 10353..10562, 10363..10563		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o6.ts	Method	TBLASTX:Soybean
Start	10410	End	10817
GI	none	Score	180
Exons	10410..10715, 10411..10659, 10683..10817		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	16507	End	18496
GI	none	Score	328
Exons	16507..16785, 16520..16789, 17139..17204, 17140..17208, 17300..17353, 17302..17346, 17444..17488, 17570..17617, 17806..17847, 17816..17848, 17921..18001, 17928..17999,		

18081..18152, 18082..18153, 18083..18178, 18095..18157,
18235..18354, 18237..18344, 18252..18356, 18437..18496,
18442..18495

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o14.tm	Method	TBLASTX:Maize
Start	16507	End	16653
GI	none	Score	189
Exons	16507..16653, 16520..16651		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o5.ts	Method	TBLASTX:Soybean
Start	16513	End	19132
GI	none	Score	340
Exons	16513..16785, 16520..16789, 17139..17219, 17140..17220, 17299..17346, 17300..17353, 17444..17494, 17449..17487, 17569..17616, 17570..17617, 17806..17847, 17816..17848, 17927..17998, 17928..17999, 18082..18153, 18095..18157, 18235..18354, 18237..18362, 18252..18356, 18436..18495, 18437..18496, 18998..19132, 18998..19117, 19000..19131		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o4.tm	Method	TBLASTX:Maize
Start	16654	End	19302
GI	none	Score	208
Exons	16654..16785, 16655..16789, 16682..16786, 17138..17209, 17139..17204, 17139..17219, 17140..17220, 17140..17220, 17144..17221, 17299..17352, 17300..17353, 17300..17353, 17444..17488, 17448..17483, 17452..17511, 17531..17662, 17570..17617, 17806..17847, 17816..17848, 17927..17998, 17928..17999, 18080..18124, 18081..18146, 18122..18178, 18235..18354, 18237..18353, 18437..18496, 18439..18495, 18998..19138, 19000..19137, 19237..19302, 19238..19261		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	25558	End	26878
GI	none	Score	187
Exons	25558..25716, 25671..25715, 26520..26690, 26521..26652, 26525..26689, 26660..26878, 26664..26876		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	25615	End	26880
GI	none	Score	162
Exons	25615..25716, 26520..26678, 26521..26649, 26685..26735, 26698..26736, 26728..26766, 26730..26777, 26805..26858,		

26806..26880

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o7.tm	Method	TBLASTX:Maize
Start	29508	End	30751
GI	none	Score	128
Exons	29508..29645, 30013..30258, 30014..30259, 30596..30673, 30698..30751		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o3.tc	Method	TBLASTX:Cress
Start	29553	End	30256
GI	none	Score	76
Exons	29553..29645, 30017..30256, 30025..30237		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o2.ts	Method	TBLASTX:Soybean
Start	29586	End	30676
GI	none	Score	110
Exons	29586..29648, 29591..29653, 30009..30248, 30010..30246, 30010..30258, 30011..30259, 30099..30263, 30595..30675, 30596..30676		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	30032	End	30259
GI	none	Score	212
Exons	30032..30259, 30049..30258		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	31320	End	32123
GI	none	Score	125
Exons	31320..31427, 31321..31416, 31338..31430, 31822..31980, 31826..32116, 31827..32123, 31831..32115		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o5.tc	Method	TBLASTX:Cress
Start	31945	End	32204
GI	none	Score	224
Exons	31945..32106, 31946..32110, 31959..32204		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016

Name	OJ000350_40.0323.C4.o11.tm	Method	TBLASTX:Maize
Start	52527	End	54758
GI	none	Score	101
Exons	52527..52586, 52530..52592, 52532..52597, 52759..52863, 52773..52871, 52775..52864, 52776..52865, 53150..53248, 53154..53249, 53154..53246, 53329..53409, 53338..53421, 53930..54022, 53936..54025, 53937..54038, 53941..54024, 53941..54042, 54128..54241, 54129..54242, 54130..54246, 54435..54491, 54445..54477, 54572..54631, 54573..54632, 54726..54758, 54727..54756		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o6.tm	Method	TBLASTX:Maize
Start	55734	End	58480
GI	none	Score	96
Exons	55734..55841, 55740..55835, 55747..55842, 55945..56043, 55950..56039, 55957..56043, 56182..56436, 56182..56436, 56183..56437, 56184..56438, 57498..57593, 57498..57593, 57499..57594, 58162..58233, 58163..58258, 58164..58250, 58358..58480, 58360..58479		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o8.ts	Method	TBLASTX:Soybean
Start	55740	End	56048
GI	none	Score	60
Exons	55740..55841, 55744..55842, 55950..56048, 55951..56043, 55953..56048		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	56205	End	61168
GI	none	Score	66
Exons	56205..56291, 56247..56300, 56284..56436, 56286..56453, 57490..57594, 57498..57593, 58127..58267, 58163..58258, 58357..58482, 58363..58479, 58365..58484, 58568..58651, 58573..58650, 58744..58809, 58745..58804, 58960..59049, 58964..59044, 59758..59820, 61088..61168		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o9.tm	Method	TBLASTX:Maize
Start	63010	End	63904
GI	none	Score	101
Exons	63010..63123, 63030..63113, 63034..63141, 63706..63903, 63707..63904		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o7.ts	Method	TBLASTX:Soybean

Start	63694	End	63904
GI	none	Score	109
Exons	63694..63900, 63695..63904, 63702..63785, 63706..63903		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o4.tc	Method	TBLASTX:Cress
Start	63695	End	63904
GI	none	Score	239
Exons	63695..63904, 63706..63903		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o3.ts	Method	TBLASTX:Soybean
Start	65949	End	66699
GI	none	Score	116
Exons	65949..66047, 66139..66255, 66153..66248, 66319..66453, 66534..66698, 66535..66699		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o6.tc	Method	TBLASTX:Cress
Start	65949	End	66675
GI	none	Score	81
Exons	65949..66047, 66139..66255, 66144..66224, 66319..66453, 66562..66675		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o8.tm	Method	TBLASTX:Maize
Start	71320	End	72929
GI	none	Score	69
Exons	71320..71418, 71327..71416, 72535..72633, 72536..72640, 72545..72643, 72683..72844, 72734..72847, 72735..72875, 72827..72919, 72828..72920, 72837..72929, 72838..72924		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o13.tm	Method	TBLASTX:Maize
Start	81756	End	82330
GI	none	Score	73
Exons	81756..81782, 81885..81947, 81886..81948, 81937..82134, 81949..82098, 82216..82260, 82228..82260, 82263..82298, 82265..82297, 82298..82330		

Seq. No.	43816	Seq. ID	OJ000350_40.0323.C4
Gene No.	92025	Strand	-
Start	86892	End	87016
Name	OJ000350_40.0323.C4.o14.gs	Method	GENSCAN
Start	86892	End	87016
GI	none	Score	.7
Exons	86892..87016		

Seq. No.	43817	Seq. ID	OJ000350_40.0323.C6
Gene No.	92026	Strand	+
Start	1	End	1011
Name	OJ000350_40.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	601
GI	5295955	Score	288
Exons	1..601		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	43817	Seq. ID	OJ000350_40.0323.C6
Gene No.	92026	Strand	+
Start	1	End	1011
Name	OJ000350_40.0323.C6.o1.gs	Method	GENSCAN
Start	344	End	1011
GI	none	Score	.66
Exons	344..454, 850..1011		

Seq. No.	43818	Seq. ID	OJ000350_40.0323.C8
Gene No.	92027	Strand	+
Start	68	End	250
Name	OJ000350_40.0323.C8.o1.gs	Method	GENSCAN
Start	68	End	250
GI	none	Score	.7
Exons	68..250		

Seq. No.	43818	Seq. ID	OJ000350_40.0323.C8
Gene No.	92028	Strand	+
Start	7608	End	8696
Name	OJ000350_40.0323.C8.o3.gs	Method	GENSCAN
Start	7608	End	8696
GI	none	Score	.68
Exons	7608..7779, 8313..8473, 8523..8696		

Seq. No.	43818	Seq. ID	OJ000350_40.0323.C8
Gene No.	92029	Strand	-
Start	482	End	5282
Name	OJ000350_40.0323.C8.o2.gs	Method	GENSCAN
Start	482	End	5282
GI	none	Score	.87
Exons	482..540, 966..1089, 1563..1700, 2802..2945, 5238..5282		

Seq. No.	43818	Seq. ID	OJ000350_40.0323.C8
Gene No.	92029	Strand	-
Start	482	End	5282
Name	OJ000350_40.0323.C8.o1.np	Method	AAT/NAP
Start	726	End	3830
GI	3818624	Score	142
Exons	726..768, 2107..2637, 3770..3830		
GI Descrip.	(AF095912) actin related protein 2; ARP2 [Arabidopsis thaliana]		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.np	Method	AAT/NAP
Start	87	End	2019

GI	7437272	Score	991
Exons	87..287, 370..477, 562..653, 979..1119, 1258..1355, 1438..1567, 1782..2019		
GI Descrip.	UDPglucose 4-epimerase homolog F9F13.110 - Arabidopsis thaliana gi\|5262169\|emb\|CAB45812.1\| (AL080253) UDP-glucose 4-epimerase-like protein [Arabidopsis thaliana] gi\|7268842\|emb\|CAB79046.1\| (AL161553) UDP-glucose 4-epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	163	End	1946
GI	none	Score	175
Exons	163..243, 174..287, 174..287, 178..288, 236..292, 369..479, 370..483, 383..517, 561..656, 562..654, 976..1026, 977..1027, 1027..1119, 1038..1112, 1246..1353, 1260..1331, 1318..1359, 1433..1570, 1435..1569, 1438..1587, 1776..1946, 1779..1940		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.gs	Method	GENSCAN
Start	174	End	1940
GI	none	Score	.87
Exons	174..287, 562..653, 1062..1119, 1258..1355, 1438..1567, 1782..1940		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.tw	Method	TBLASTX:Wheat
Start	192	End	452
GI	none	Score	125
Exons	192..290, 216..290, 367..450, 369..452		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	216	End	1946
GI	none	Score	115
Exons	216..287, 236..328, 369..467, 370..483, 561..656, 562..654, 976..1026, 977..1027, 980..1030, 1027..1119, 1035..1112, 1054..1122, 1242..1316, 1246..1332, 1336..1359, 1433..1570, 1435..1569, 1776..1946, 1779..1928		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o2.tc	Method	TBLASTX:Cress
Start	406	End	1056
GI	none	Score	118
Exons	406..495, 414..479, 561..656, 562..654, 977..1027, 1027..1056		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1

Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.gp	Method	AAT/GAP
Start	531	End	1590
GI	29591_1.R1084	Score	871
Exons	531..653, 979..1119, 1258..1355, 1438..1590		
GI Descrip.	'2645165/dbj\|D50573\|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o2.tw	Method	TBLASTX:Wheat
Start	561	End	1359
GI	none	Score	152
Exons	561..656, 562..654, 976..1026, 977..1027, 1006..1119, 1027..1107, 1038..1112, 1255..1332, 1257..1331, 1327..1359		

Seq. No.	43819	Seq. ID	OJ000350_34.0310.C1
Gene No.	92030	Strand	+
Start	87	End	2019
Name	OJ000350_34.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	1057	End	1937
GI	none	Score	94
Exons	1057..1119, 1059..1112, 1254..1322, 1255..1323, 1332..1358, 1333..1359, 1433..1570, 1435..1569, 1763..1888, 1764..1937, 1779..1922		

Seq. No.	43820	Seq. ID	OJ000350_34.0310.C2
Gene No.	92031	Strand	+
Start	1431	End	1911
Name	OJ000350_34.0310.C2.o1.gs	Method	GENSCAN
Start	1431	End	1911
GI	none	Score	.83
Exons	1431..1473, 1780..1911		

Seq. No.	43820	Seq. ID	OJ000350_34.0310.C2
Gene No.	92032	Strand	+
Start	1828	End	1927
Name	OJ000350_34.0310.C2.o1.gp	Method	AAT/GAP
Start	1828	End	1927
GI	425916	Score	156
Exons	1828..1927		
GI Descrip.	2645165/dbj\|D50573\|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein		

Seq. No.	43821	Seq. ID	OJ000350_34.0310.C3
Gene No.	92033	Strand	+
Start	586	End	953
Name	OJ000350_34.0310.C3.o1.gp	Method	AAT/GAP
Start	586	End	953
GI	18072_1.R1084	Score	688
Exons	586..953		
GI Descrip.	'2645165/dbj\|D50573\|D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	43822	Seq. ID	OJ000350_34.0310.C4

Gene No.	92034	Strand	+
Start	353	End	1908
Name	OJ000350_34.0310.C4.o1.gs	Method	GENSCAN
Start	353	End	793
GI	none	Score	.91
Exons	353..624, 741..793		

Seq. No.	43822	Seq. ID	OJ000350_34.0310.C4
Gene No.	92034	Strand	+
Start	353	End	1908
Name	OJ000350_34.0310.C4.o1.np	Method	AAT/NAP
Start	582	End	1908
GI	7452061	Score	103
Exons	582..624, 1811..1908		
GI Descrip.	hypothetical protein YUP8H12R.31 - Arabidopsis thaliana gi\|3152584\|gb\|AAC17065.1\| (AC002986) YUP8H12R.31 [Arabidopsis thaliana]		

Seq. No.	43823	Seq. ID	OJ000350_34.0310.C7
Gene No.	92035	Strand	+
Start	111	End	1603
Name	OJ000350_34.0310.C7.o1.np	Method	AAT/NAP
Start	111	End	1603
GI	7488436	Score	269
Exons	111..377, 492..691, 1502..1603		
GI Descrip.	zinc-finger protein Lsd1 - Arabidopsis thaliana gi\|1872521\|gb\|AAC49660.1\| (U87833) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi\|1872523\|gb\|AAC49661.1\| (U87834) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi\|5262161\|emb\|CAB45804.1\| (AL080253) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi\|7268834\|emb\|CAB79038.1\| (AL161553) zinc-finger protein Lsd1 [Arabidopsis		

Seq. No.	43823	Seq. ID	OJ000350_34.0310.C7
Gene No.	92035	Strand	+
Start	111	End	1603
Name	OJ000350_34.0310.C7.o1.gs	Method	GENSCAN
Start	123	End	1564
GI	none	Score	.6
Exons	123..355, 495..604, 1502..1564		

Seq. No.	43824	Seq. ID	OJ000350_34.0310.C8
Gene No.	92036	Strand	-
Start	1	End	785
Name	OJ000350_34.0310.C8.o1.np	Method	AAT/NAP
Start	1	End	785
GI	6634762	Score	779
Exons	1..785		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF\|00170 domain. ESTs gb\|R30400, gb\|AA650964, gb\|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43824	Seq. ID	OJ000350_34.0310.C8
Gene No.	92036	Strand	-
Start	1	End	785
Name	OJ000350_34.0310.C8.o1.gs	Method	GENSCAN
Start	16	End	646

GI	none	Score	.62
Exons	16..646		
Seq. No.	43825	Seq. ID	OJ000350_34.0310.C10
Gene No.	92037	Strand	+
Start	221	End	538
Name	OJ000350_34.0310.C10.o1.gs	Method	GENSCAN
Start	221	End	538
GI	none	Score	.87
Exons	221..249, 399..538		
Seq. No.	43826	Seq. ID	OJ000350_34.0310.C11
Gene No.	92039	Strand	-
Start	260	End	3122
Name	OJ000350_34.0310.C11.o1.gs	Method	GENSCAN
Start	260	End	3122
GI	none	Score	.65
Exons	260..411, 2005..2186, 2956..3122		
Seq. No.	43827	Seq. ID	OJ000350_34.0310.C14
Gene No.	92040	Strand	-
Start	1	End	727
Name	OJ000350_34.0310.C14.o1.np	Method	AAT/NAP
Start	1	End	727
GI	6634762	Score	186
Exons	1..127, 603..727		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF\|00170 domain. ESTs gb\|R30400, gb\|AA650964, gb\|AI994521 come from this gene. [Arabidopsis thaliana]		
Seq. No.	43827	Seq. ID	OJ000350_34.0310.C14
Gene No.	92040	Strand	-
Start	1	End	727
Name	OJ000350_34.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	5	End	677
GI	none	Score	147
Exons	5..145, 6..128, 8..145, 589..672, 603..677, 603..671, 604..672		
Seq. No.	43827	Seq. ID	OJ000350_34.0310.C14
Gene No.	92040	Strand	-
Start	1	End	727
Name	OJ000350_34.0310.C14.o1.gs	Method	GENSCAN
Start	603	End	672
GI	none	Score	.59
Exons	603..672		
Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92041	Strand	+
Start	528	End	2903
Name	OJ000350_34.0310.C16.o1.np	Method	AAT/NAP
Start	528	End	2903
GI	7228442	Score	4108
Exons	528..2903		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92041	Strand	+
Start	528	End	2903
Name	OJ000350_34.0310.C16.o1.gs	Method	GENSCAN
Start	1022	End	2659
GI	none	Score	.51
Exons	1022..1177, 1254..2659		

Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92041	Strand	+
Start	528	End	2903
Name	OJ000350_34.0310.C16.o2.gp	Method	AAT/GAP
Start	1585	End	2016
GI	5701669	Score	841
Exons	1585..2016		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92042	Strand	-
Start	1	End	75
Name	OJ000350_34.0310.C16.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	7406_1.R1084	Score	122
Exons	1..75		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92043	Strand	
Start	1542	End	2216
Name	OJ000350_34.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	1542	End	2138
GI	none	Score	93
Exons	1542..1670, 1550..1648, 1704..2003, 1721..1942, 2067..2138		

Seq. No.	43828	Seq. ID	OJ000350_34.0310.C16
Gene No.	92043	Strand	
Start	1542	End	2216
Name	OJ000350_34.0310.C16.o1.tw	Method	TBLASTX:Wheat
Start	1836	End	2216
GI	none	Score	209
Exons	1836..2030, 1845..2042, 2036..2155, 2040..2216, 2040..2186		

Seq. No.	43829	Seq. ID	OJ000350_34.0310.C17
Gene No.	92044	Strand	+
Start	1	End	4282
Name	OJ000350_34.0310.C17.o1.np	Method	AAT/NAP
Start	1	End	4282
GI	7228438	Score	2698
Exons	1..33, 644..744, 829..1239, 1331..1629, 1706..1963, 2057..2239, 2397..2462, 3725..4027, 4198..4282		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43829	Seq. ID	OJ000350_34.0310.C17
Gene No.	92044	Strand	+
Start	1	End	4282
Name	OJ000350_34.0310.C17.o1.gs	Method	GENSCAN
Start	154	End	3313
GI	none	Score	.71
Exons	154..302, 408..654, 829..1173, 1331..1629, 1706..1833, 1890..1963, 2057..2177, 2209..2290, 2397..2462, 2553..2684, 2748..2795, 2800..3002, 3078..3313		

Seq. No.	43829	Seq. ID	OJ000350_34.0310.C17
Gene No.	92044	Strand	+
Start	1	End	4282
Name	OJ000350_34.0310.C17.o1.gp	Method	AAT/GAP
Start	1457	End	1955
GI	LIB3475-007-P1-K1-G8	Score	776
Exons	1457..1629, 1706..1955		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	43829	Seq. ID	OJ000350_34.0310.C17
Gene No.	92044	Strand	+
Start	1	End	4282
Name	OJ000350_34.0310.C17.o2.gs	Method	GENSCAN
Start	3540	End	4072
GI	none	Score	.67
Exons	3540..3542, 3725..3883, 3950..4072		

Seq. No.	43829	Seq. ID	OJ000350_34.0310.C17
Gene No.	92045	Strand	-
Start	3138	End	3498
Name	OJ000350_34.0310.C17.o2.gp	Method	AAT/GAP
Start	3138	End	3498
GI	LIB3431-045-P1-N1-A10	Score	617
Exons	3138..3498		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43830	Seq. ID	OJ000350_34.0310.C19
Gene No.	92046	Strand	-
Start	1	End	1049
Name	OJ000350_34.0310.C19.o1.np	Method	AAT/NAP
Start	1	End	1049
GI	7486298	Score	425
Exons	1..28, 133..350, 390..520, 640..1049		
GI Descrip.	hypothetical protein F28J12.220 - Arabidopsis thaliana gi\|2832661\|emb\|CAA16736.1\| (AL021710) pherophorin - like protein [Arabidopsis thaliana] gi\|7268650\|emb\|CAB78858.1\| (AL161549) pherophorin-like protein [Arabidopsis thaliana]		

Seq. No.	43830	Seq. ID	OJ000350_34.0310.C19
Gene No.	92046	Strand	-
Start	1	End	1049
Name	OJ000350_34.0310.C19.o1.gs	Method	GENSCAN
Start	123	End	912
GI	none	Score	.75

Exons	123..314, 390..470, 497..520, 640..912		
Seq. No.	43831	Seq. ID	OJ000350_34.0310.C20
Gene No.	92047	Strand	+
Start	880	End	1279
Name	OJ000350_34.0310.C20.o1.gs	Method	GENSCAN
Start	880	End	1279
GI	none	Score	.83
Exons	880..1279		
Seq. No.	43832	Seq. ID	OJ000350_34.0310.C21
Gene No.	92048	Strand	+
Start	119	End	3168
Name	OJ000350_34.0310.C21.o1.np	Method	AAT/NAP
Start	119	End	3026
GI	6714274	Score	237
Exons	119..199, 2029..2119, 2201..2286, 2369..3026		
GI Descrip.	(AC017118) F6N18.11 [Arabidopsis thaliana]		
Seq. No.	43832	Seq. ID	OJ000350_34.0310.C21
Gene No.	92048	Strand	+
Start	119	End	3168
Name	OJ000350_34.0310.C21.o1.gs	Method	GENSCAN
Start	138	End	3168
GI	none	Score	.59
Exons	138..199, 1465..1595, 2383..2595, 2664..3014, 3154..3168		
Seq. No.	43832	Seq. ID	OJ000350_34.0310.C21
Gene No.	92049	Strand	+
Start	6372	End	7069
Name	OJ000350_34.0310.C21.o3.np	Method	AAT/NAP
Start	6363	End	6962
GI	121631	Score	565
Exons	6363..6962		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR gi\|72323\|pir\|\|KNNT2S glycine-rich protein 2 - wood tobacco gi\|19743\|emb\|CAA42622\| (X60007) nsGRP-2 [Nicotiana sylvestris]		
Seq. No.	43832	Seq. ID	OJ000350_34.0310.C21
Gene No.	92049	Strand	+
Start	6372	End	7069
Name	OJ000350_34.0310.C21.o3.gs	Method	GENSCAN
Start	6372	End	6965
GI	none	Score	.9
Exons	6372..6398, 6459..6965		
Seq. No.	43832	Seq. ID	OJ000350_34.0310.C21
Gene No.	92050	Strand	-
Start	4850	End	7069
Name	OJ000350_34.0310.C21.o2.np	Method	AAT/NAP
Start	4850	End	7069
GI	4680338	Score	508
Exons	4850..5926, 6968..7069		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92052	Strand	+

Start	14384	End	17693
Name	OJ000350_34.0310.C22.o5.np	Method	AAT/NAP
Start	14384	End	17693
GI	7434423	Score	50
Exons	14384..14471, 17173..17242, 17632..17693		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) T5F17.100 - Arabidopsis thaliana gi\|7269720\|emb\|CAB81453.1\| (AL161573) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92053	Strand	-
Start	3243	End	10347
Name	OJ000350_34.0310.C22.o1.np	Method	AAT/NAP
Start	3243	End	10347
GI	6862923	Score	545
Exons	3243..3346, 4554..5075, 9742..10347		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92053	Strand	-
Start	3243	End	10347
Name	OJ000350_34.0310.C22.o3.gs	Method	GENSCAN
Start	9286	End	10320
GI	none	Score	.98
Exons	9286..10320		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92054	Strand	-
Start	11683	End	12585
Name	OJ000350_34.0310.C22.o2.np	Method	AAT/NAP
Start	11551	End	12064
GI	4680500	Score	178
Exons	11551..12064		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92054	Strand	-
Start	11683	End	12585
Name	OJ000350_34.0310.C22.o4.gs	Method	GENSCAN
Start	11683	End	12585
GI	none	Score	1
Exons	11683..12585		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92055	Strand	-
Start	13912	End	15069
Name	OJ000350_34.0310.C22.o4.np	Method	AAT/NAP
Start	13831	End	15069
GI	6862923	Score	413
Exons	13831..14509, 14540..15069		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92055	Strand	-
Start	13912	End	15069
Name	OJ000350_34.0310.C22.o5.gs	Method	GENSCAN

Start	13912	End	15024
GI	none	Score	.97
Exons	13912..15024		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92055	Strand	-
Start	13912	End	15069
Name	OJ000350_34.0310.C22.o3.np	Method	AAT/NAP
Start	13927	End	15032
GI	4680501	Score	353
Exons	13927..14499, 14536..15032		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	43833	Seq. ID	OJ000350_34.0310.C22
Gene No.	92056	Strand	-
Start	15835	End	20275
Name	OJ000350_34.0310.C22.o6.gs	Method	GENSCAN
Start	15835	End	20275
GI	none	Score	.47
Exons	15835..16182, 16718..16762, 16807..16931, 17170..17278, 17307..17443, 17830..17964, 18865..19037, 19798..19973, 20093..20275		

Seq. No.	43834	Seq. ID	OJ000350_34.0310.C23
Gene No.	92057	Strand	+
Start	601	End	738
Name	OJ000350_34.0310.C23.o1.gs	Method	GENSCAN
Start	601	End	738
GI	none	Score	.6
Exons	601..738		

Seq. No.	43835	Seq. ID	OJ000350_34.0310.C24
Gene No.	92058	Strand	+
Start	7	End	541
Name	OJ000350_34.0310.C24.o1.gs	Method	GENSCAN
Start	7	End	541
GI	none	Score	.64
Exons	7..43, 492..541		

Seq. No.	43836	Seq. ID	OJ000350_34.0310.C25
Gene No.	92059	Strand	-
Start	1	End	7674
Name	OJ000350_34.0310.C25.o1.np	Method	AAT/NAP
Start	1	End	3129
GI	3859112	Score	395
Exons	1..52, 312..500, 970..1038, 1110..1258, 1445..1656, 2554..2605, 2977..3129		
GI Descrip.	(AF031607) male sterility MS5 [Arabidopsis thaliana]		

Seq. No.	43836	Seq. ID	OJ000350_34.0310.C25
Gene No.	92059	Strand	-
Start	1	End	7674
Name	OJ000350_34.0310.C25.o1.gs	Method	GENSCAN
Start	7	End	7674
GI	none	Score	.68
Exons	7..292, 368..500, 970..1038, 1445..1656, 2554..2605, 3096..3232, 4271..4360, 5328..5655, 6125..6318, 6455..6552, 6715..6825,		

6949..7117, 7276..7348, 7478..7674

Seq. No.	43836	Seq. ID	OJ000350_34.0310.C25
Gene No.	92059	Strand	-
Start	1	End	7674
Name	OJ000350_34.0310.C25.o2.np	Method	AAT/NAP
Start	4485	End	7671
GI	6634775	Score	954
Exons	4485..4611, 5007..5214, 5328..5701, 5912..6039, 6125..6318, 6395..6552, 6715..6883, 7016..7117, 7276..7348, 7478..7671		
GI Descrip.	(AC009917) Contains similarity to gi\|34845 luciferase YE protein from Pyrophorus plagiophthalamus, and contains an AMP-binding PF\|00501 domain. [Arabidopsis thaliana]		

Seq. No.	43837	Seq. ID	OJ000350_34.0310.C29
Gene No.	92060	Strand	-
Start	139	End	4590
Name	OJ000350_34.0310.C29.o1.gs	Method	GENSCAN
Start	139	End	3743
GI	none	Score	.56
Exons	139..362, 1049..1285, 1324..1451, 1701..2110, 2712..2805, 3692..3743		

Seq. No.	43837	Seq. ID	OJ000350_34.0310.C29
Gene No.	92060	Strand	-
Start	139	End	4590
Name	OJ000350_34.0310.C29.o1.np	Method	AAT/NAP
Start	2046	End	4590
GI	7447403	Score	34
Exons	2046..2163, 4559..4590		
GI Descrip.	xyloglucan endo-1,4-beta-D-glucanase (EC 3.2.1.-) - maize gi\|563235\|gb\|AAC49012.1\| (U15964) xyloglucan endo-transglycosylase homolog; similar to Triticum aestivum endo-xyloglucan transferase, PIR Accession Number E49539 [Zea mays] gi\|563927\|gb\|AAC49011.1\| (U15781) xyloglucan endo-transglycosylase homolog [Zea mays] gi\|1097378\|prf\|\|2113418A xyloglucan endotransglycosylase ho		

Seq. No.	43838	Seq. ID	OJ000350_34.0310.C31
Gene No.	92061	Strand	+
Start	628	End	702
Name	OJ000350_34.0310.C31.o1.gs	Method	GENSCAN
Start	628	End	702
GI	none	Score	.41
Exons	628..702		

Seq. No.	43838	Seq. ID	OJ000350_34.0310.C31
Gene No.	92062	Strand	-
Start	1107	End	1164
Name	OJ000350_34.0310.C31.o1.gp	Method	AAT/GAP
Start	1107	End	1164
GI	2312838	Score	66
Exons	1107..1164		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32

Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	2427
GI	2443320	Score	938
Exons	1..634, 903..945, 2376..2427		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.tc	Method	TBLASTX:Cress
Start	2	End	251
GI	none	Score	214
Exons	2..163, 3..251		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.ts	Method	TBLASTX:Soybean
Start	2	End	362
GI	5509260	Score	306
Exons	2..154, 3..362, 3..260, 188..346, 291..347		
GI Descrip.	-		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	26	End	635
GI	none	Score	495
Exons	26..373, 27..377, 30..377, 37..438, 363..635, 363..626, 371..628		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.tm	Method	TBLASTX:Maize
Start	32	End	464
GI	none	Score	329
Exons	32..397, 51..464		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o1.gp	Method	AAT/GAP
Start	2278	End	3853
GI	1631921	Score	813
Exons	2278..2458, 2768..2928, 3746..3853		

Seq. No.	43839	Seq. ID	OJ000350_34.0310.C32
Gene No.	92063	Strand	+
Start	1	End	4245
Name	OJ000350_34.0310.C32.o2.np	Method	AAT/NAP
Start	2406	End	4245
GI	5852089	Score	74
Exons	2406..2447, 3730..3870, 4205..4245		
GI Descrip.	(AL117264) zwh12.1 [Oryza sativa]		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92064	Strand	+
Start	1916	End	2021
Name	OJ000350_34.0310.C33.o2.np	Method	AAT/NAP
Start	1916	End	2021
GI	5777617	Score	80
Exons	1916..2021		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o1.tm	Method	TBLASTX:Maize
Start	303	End	1141
GI	none	Score	139
Exons	303..476, 306..821, 307..816, 808..1005, 809..1006, 1003..1140, 1004..1141		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o1.gs	Method	GENSCAN
Start	309	End	2333
GI	none	Score	.74
Exons	309..779, 910..1101, 2154..2333		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o1.np	Method	AAT/NAP
Start	318	End	2692
GI	7487132	Score	852
Exons	318..1278, 2633..2692		
GI Descrip.	hypothetical protein T18B16.140 - Arabidopsis thaliana gi\|2828292\|emb\|CAA16706.1\| (AL021687) neoxanthin cleavage enzyme-like protein [Arabidopsis thaliana] gi\|7268712\|emb\|CAB78919.1\| (AL161550) neoxanthin cleavage enzyme-like protein [Arabidopsis thaliana]		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o2.tc	Method	TBLASTX:Cress
Start	327	End	588
GI	none	Score	109
Exons	327..482, 331..459, 342..479, 522..587, 523..588		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o2.ts	Method	TBLASTX:Soybean
Start	327	End	585
GI	none	Score	118
Exons	327..482, 328..483, 522..584, 523..585		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33

Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o1.tc	Method	TBLASTX:Cress
Start	606	End	1023
GI	none	Score	145
Exons	606..821, 811..1023, 857..1012		

Seq. No.	43840	Seq. ID	OJ000350_34.0310.C33
Gene No.	92065	Strand	-
Start	309	End	2692
Name	OJ000350_34.0310.C33.o1.ts	Method	TBLASTX:Soybean
Start	630	End	1276
GI	none	Score	119
Exons	630..821, 808..1011, 809..1006, 1003..1275, 1004..1276		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o1.np	Method	AAT/NAP
Start	1111	End	3198
GI	1091678	Score	680
Exons	1111..1250, 1428..2690, 2772..2954, 3046..3198		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o4.tm	Method	TBLASTX:Maize
Start	1277	End	1630
GI	none	Score	196
Exons	1277..1330, 1430..1630, 1434..1628		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o1.gs	Method	GENSCAN
Start	1394	End	4694
GI	none	Score	.64
Exons	1394..2690, 2772..2954, 3046..3594, 4120..4334, 4459..4694		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	1445	End	1658
GI	none	Score	161
Exons	1445..1648, 1446..1658		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	1877	End	2522
GI	none	Score	65
Exons	1877..2521, 2205..2522		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35

Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	1965	End	2317
GI	none	Score	88
Exons	1965..2057, 1967..2080, 1967..2080, 2082..2315, 2083..2316, 2084..2317		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	2183	End	2511
GI	none	Score	205
Exons	2183..2497, 2199..2510, 2205..2501, 2251..2511		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	2465	End	2710
GI	none	Score	229
Exons	2465..2710, 2466..2693		

Seq. No.	43841	Seq. ID	OJ000350_34.0310.C35
Gene No.	92066	Strand	-
Start	1394	End	4694
Name	OJ000350_34.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	2783	End	3506
GI	none	Score	92
Exons	2783..2845, 2785..2847, 2786..2848, 2840..2956, 2841..2957, 3040..3258, 3042..3263, 3045..3281, 3261..3473, 3313..3447, 3459..3506		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92067	Strand	+
Start	692	End	1566
Name	OJ000350_34.0310.C36.o1.gs	Method	GENSCAN
Start	692	End	1566
GI	none	Score	.7
Exons	692..710, 784..1031, 1090..1566		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92067	Strand	+
Start	692	End	1566
Name	OJ000350_34.0310.C36.o1.np	Method	AAT/NAP
Start	1070	End	1493
GI	7488891	Score	401
Exons	1070..1493		
GI Descrip.	ethylene-responsive protein 2 - Para rubber tree (fragment)		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92068	Strand	+
Start	18402	End	25078
Name	OJ000350_34.0310.C36.o4.gs	Method	GENSCAN
Start	18402	End	25078
GI	none	Score	.44

Exons	18402..18408, 18443..18489, 18845..19030, 19120..20202, 20220..20773, 20812..21463, 21542..22256, 22472..23301, 23335..23781, 23855..23941, 24083..25078		
Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92068	Strand	+
Start	18402	End	25078
Name	OJ000350_34.0310.C36.o4.np	Method	AAT/NAP
Start	19138	End	25075
GI	7228457	Score	8572
Exons	19138..19504, 19566..21478, 21542..22375, 22498..23457, 23524..25075		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92069	Strand	-
Start	6727	End	13607
Name	OJ000350_34.0310.C36.o2.np	Method	AAT/NAP
Start	6610	End	13583
GI	7513075	Score	380
Exons	6610..6688, 10270..10433, 10559..10661, 10881..10936, 11610..11671, 11737..11854, 12030..12107, 12206..12289, 12400..12519, 12645..12735, 12977..13071, 13209..13289, 13402..13583		
GI Descrip.	hypothetical protein P1.11659_3 - human gi\|2984587\|gb\|AAC07985.1\| (AC004472) P1.11659_3 [Homo sapiens]		
Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92069	Strand	-
Start	6727	End	13607
Name	OJ000350_34.0310.C36.o2.gs	Method	GENSCAN
Start	6727	End	13607
GI	none	Score	.77
Exons	6727..7110, 7676..7759, 8337..8505, 8594..8635, 10120..10433, 10514..10661, 10881..10936, 11012..11047, 12030..12107, 12206..12289, 12400..12519, 12977..13098, 13194..13228, 13375..13607		
Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92069	Strand	-
Start	6727	End	13607
Name	OJ000350_34.0310.C36.o1.gp	Method	AAT/GAP
Start	8419	End	8969
GI	2427674	Score	897
Exons	8419..8505, 8594..8969		
Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92070	Strand	-
Start	14781	End	17482
Name	OJ000350_34.0310.C36.o2.gp	Method	AAT/GAP
Start	14494	End	17482
GI	18418_2.R1084	Score	1326
Exons	14494..14857, 17005..17118, 17241..17482		
GI Descrip.	'5541704/emb\|CAB51209.1\| 2.0e-47 (AL096860) 40S RIBOSOMAL PROTEIN S20 homolog [Arabidopsis thaliana]'		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92070	Strand	-
Start	14781	End	17482
Name	OJ000350_34.0310.C36.o3.np	Method	AAT/NAP
Start	14719	End	17340
GI	548851	Score	430
Exons	14719..14857, 17005..17118, 17241..17340		
GI Descrip.	40S RIBOSOMAL PROTEIN S20 gi\|481226\|pir\|\|S38356 ribosomal protein S20 - rice gi\|391875\|dbj\|BAA02157\| (D12632) 40S subunit ribosomal protein [Oryza sativa]		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92070	Strand	-
Start	14781	End	17482
Name	OJ000350_34.0310.C36.o3.gs	Method	GENSCAN
Start	14781	End	17376
GI	none	Score	.86
Exons	14781..14857, 17005..17118, 17241..17376		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1383
GI	none	Score	446
Exons	1068..1379, 1069..1383		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	1068	End	19213
GI	none	Score	466
Exons	1068..1382, 1069..1383, 18876..18998, 19015..19122, 19163..19213		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o1.ts	Method	TBLASTX:Soybean
Start	1068	End	1383
GI	none	Score	438
Exons	1068..1379, 1069..1383		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o7.tm	Method	TBLASTX:Maize
Start	8403	End	9006
GI	none	Score	105
Exons	8403..8513, 8404..8502, 8593..8634, 8594..8635, 8597..8635, 8843..8914, 8844..8918, 8845..8922, 8932..9006, 8957..8974		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o5.tm	Method	TBLASTX:Maize

Start	9993	End	10241
GI	none	Score	206
Exons	9993..10241, 9993..10229, 10015..10239		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o2.tc	Method	TBLASTX:Cress
Start	14708	End	17305
GI	none	Score	115
Exons	14708..14788, 14717..14794, 14722..14793, 14794..14859, 14802..14858, 17001..17120, 17002..17127, 17003..17119, 17242..17298, 17243..17305		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o5.tw	Method	TBLASTX:Wheat
Start	14708	End	20184
GI	none	Score	110
Exons	14708..14773, 19846..19944, 19851..19916, 19933..20184, 19944..20150		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o2.ts	Method	TBLASTX:Soybean
Start	14711	End	17302
GI	none	Score	102
Exons	14711..14794, 14716..14793, 14794..14859, 14802..14858, 17001..17120, 17003..17119, 17005..17121, 17242..17298, 17243..17302		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o6.tm	Method	TBLASTX:Maize
Start	14716	End	17287
GI	none	Score	103
Exons	14716..14793, 14723..14794, 14799..14864, 14799..14858, 14804..14872, 16996..17109, 17001..17120, 17002..17121, 17003..17119, 17243..17287, 17243..17284		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o8.tw	Method	TBLASTX:Wheat
Start	14793	End	17343
GI	none	Score	70
Exons	14793..14864, 14793..14858, 16958..17119, 16996..17115, 17003..17119, 17240..17290, 17242..17292, 17243..17302, 17296..17343		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o8.tm	Method	TBLASTX:Maize

Start	19834	End	20073
GI	none	Score	193
Exons	19834..20073, 19950..20072		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o2.tw	Method	TBLASTX:Wheat
Start	20899	End	21385
GI	none	Score	411
Exons	20899..21072, 20900..21385, 21094..21354		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o1.tw	Method	TBLASTX:Wheat
Start	21549	End	23402
GI	none	Score	185
Exons	21549..21992, 21551..22012, 21553..22005, 23355..23402		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o5.ts	Method	TBLASTX:Soybean
Start	21590	End	21955
GI	none	Score	113
Exons	21590..21814, 21821..21955		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o2.tm	Method	TBLASTX:Maize
Start	21680	End	22036
GI	none	Score	377
Exons	21680..22036, 21721..22026, 21731..22036		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o4.tm	Method	TBLASTX:Maize
Start	22063	End	22407
GI	none	Score	274
Exons	22063..22347, 22064..22348, 22336..22407		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o3.tw	Method	TBLASTX:Wheat
Start	22121	End	22539
GI	none	Score	264
Exons	22121..22351, 22122..22304, 22124..22342, 22219..22350, 22333..22539, 22359..22535		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o3.ts	Method	TBLASTX:Soybean

Start	22169	End	22569
GI	none	Score	145
Exons	22169..22342, 22339..22569		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o6.tw	Method	TBLASTX:Wheat
Start	22873	End	23166
GI	none	Score	263
Exons	22873..23166, 22932..23165		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o4.ts	Method	TBLASTX:Soybean
Start	23125	End	23691
GI	5666795	Score	60
Exons	23125..23223, 23299..23436, 23491..23691		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o9.tw	Method	TBLASTX:Wheat
Start	23491	End	23751
GI	none	Score	189
Exons	23491..23751		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o3.tm	Method	TBLASTX:Maize
Start	23945	End	24268
GI	none	Score	364
Exons	23945..24268, 23974..24255		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o4.tw	Method	TBLASTX:Wheat
Start	24082	End	24463
GI	none	Score	368
Exons	24082..24159, 24083..24463, 24180..24323, 24187..24432		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o7.tw	Method	TBLASTX:Wheat
Start	24464	End	25066
GI	none	Score	259
Exons	24464..24748, 24469..24747, 24604..24774, 24940..25062, 24941..25066		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963

Name	OJ000350_34.0310.C36.o5.gs	Method	GENSCAN
Start	25704	End	26624
GI	none	Score	.94
Exons	25704..26093, 26178..26624		

Seq. No.	43842	Seq. ID	OJ000350_34.0310.C36
Gene No.	92071	Strand	-
Start	25704	End	26963
Name	OJ000350_34.0310.C36.o5.np	Method	AAT/NAP
Start	25707	End	26963
GI	6539586	Score	1649
Exons	25707..26963		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43843	Seq. ID	OJ000350_34.0310.C37
Gene No.	92072	Strand	+
Start	59	End	2179
Name	OJ000350_34.0310.C37.o1.gs	Method	GENSCAN
Start	59	End	2179
GI	none	Score	.5
Exons	59..65, 100..146, 502..687, 2048..2179		

Seq. No.	43843	Seq. ID	OJ000350_34.0310.C37
Gene No.	92073	Strand	-
Start	2626	End	8237
Name	OJ000350_34.0310.C37.o2.gs	Method	GENSCAN
Start	2626	End	8237
GI	none	Score	.41
Exons	2626..2697, 3217..3230, 3312..3371, 3441..3509, 5312..5513, 5929..6159, 6247..7203, 7264..7852, 8182..8237		

Seq. No.	43843	Seq. ID	OJ000350_34.0310.C37
Gene No.	92073	Strand	-
Start	2626	End	8237
Name	OJ000350_34.0310.C37.o1.np	Method	AAT/NAP
Start	3401	End	7833
GI	5803259	Score	2966
Exons	3401..3419, 5322..5600, 5767..6475, 6572..7833		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	43843	Seq. ID	OJ000350_34.0310.C37
Gene No.	92074	Strand	-
Start	8458	End	8642
Name	OJ000350_34.0310.C37.o1.tm	Method	TBLASTX:Maize
Start	2635	End	4159
GI	none	Score	80
Exons	2635..2727, 3146..3214, 3147..3215, 3149..3229, 3292..3372, 3322..3372, 3441..3503, 3442..3501, 4040..4159, 4040..4087		

Seq. No.	43843	Seq. ID	OJ000350_34.0310.C37
Gene No.	92074	Strand	-
Start	8458	End	8642
Name	OJ000350_34.0310.C37.o2.np	Method	AAT/NAP
Start	8458	End	8642
GI	7523512	Score	137
Exons	8458..8642		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43844	Seq. ID	OJ000350_34.0310.C39
Gene No.	92075	Strand	-
Start	1	End	719
Name	OJ000350_34.0310.C39.o1.np	Method	AAT/NAP
Start	1	End	637
GI	730580	Score	462
Exons	1..26, 201..289, 381..637		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P0 gi\|455401\|dbj\|BAA04668\| (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	43844	Seq. ID	OJ000350_34.0310.C39
Gene No.	92075	Strand	-
Start	1	End	719
Name	OJ000350_34.0310.C39.o1.gs	Method	GENSCAN
Start	221	End	637
GI	none	Score	.82
Exons	221..289, 381..491, 533..637		

Seq. No.	43845	Seq. ID	OJ000350_34.0310.C40
Gene No.	92076	Strand	-
Start	1	End	797
Name	OJ000350_34.0310.C40.o1.np	Method	AAT/NAP
Start	1	End	797
GI	6634762	Score	373
Exons	1..18, 357..797		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF\|00170 domain. ESTs gb\|R30400, gb\|AA650964, gb\|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43845	Seq. ID	OJ000350_34.0310.C40
Gene No.	92076	Strand	-
Start	1	End	797
Name	OJ000350_34.0310.C40.o1.gs	Method	GENSCAN
Start	190	End	711
GI	none	Score	.95
Exons	190..711		

Seq. No.	43846	Seq. ID	OJ000350_34.0310.C41
Gene No.	92077	Strand	-
Start	1	End	600
Name	OJ000350_34.0310.C41.o1.np	Method	AAT/NAP
Start	1	End	600
GI	7489803	Score	211
Exons	1..600		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi\|3645899\|gb\|AAC49502.1\| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	43846	Seq. ID	OJ000350_34.0310.C41
Gene No.	92077	Strand	-
Start	1	End	600
Name	OJ000350_34.0310.C41.o1.gs	Method	GENSCAN
Start	71	End	499
GI	none	Score	.61
Exons	71..193, 314..499		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92078	Strand	+
Start	1592	End	8516
Name	OJ000350_34.0310.C42.o3.np	Method	AAT/NAP
Start	1592	End	8415
GI	5852180	Score	431
Exons	1592..1638, 6953..7040, 8033..8415		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92078	Strand	+
Start	1592	End	8516
Name	OJ000350_34.0310.C42.o1.gp	Method	AAT/GAP
Start	7141	End	7657
GI	uC-osflM202048c12b1	Score	833
Exons	7141..7657		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92078	Strand	+
Start	1592	End	8516
Name	OJ000350_34.0310.C42.o3.gs	Method	GENSCAN
Start	7762	End	8516
GI	none	Score	.72
Exons	7762..7893, 8127..8516		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92079	Strand	-
Start	293	End	4818
Name	OJ000350_34.0310.C42.o1.gs	Method	GENSCAN
Start	293	End	4768
GI	none	Score	.8
Exons	293..646, 687..830, 876..2563, 2618..4662, 4668..4768		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92079	Strand	-
Start	293	End	4818
Name	OJ000350_34.0310.C42.o1.np	Method	AAT/NAP
Start	296	End	4818
GI	4680179	Score	5587
Exons	296..638, 682..4818		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92080	Strand	-
Start	5054	End	7214
Name	OJ000350_34.0310.C42.o2.gs	Method	GENSCAN
Start	5054	End	7214
GI	none	Score	.92
Exons	5054..5818, 7146..7214		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92080	Strand	-
Start	5054	End	7214
Name	OJ000350_34.0310.C42.o2.np	Method	AAT/NAP
Start	5057	End	5818

GI	4512229	Score	1240
Exons	5057..5818		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o5.tw	Method	TBLASTX:Wheat
Start	341	End	698
GI	none	Score	53
Exons	341..682, 534..581, 557..679, 600..698		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o3.tm	Method	TBLASTX:Maize
Start	1212	End	1504
GI	none	Score	281
Exons	1212..1502, 1216..1503, 1217..1504		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o2.tw	Method	TBLASTX:Wheat
Start	1350	End	1892
GI	none	Score	387
Exons	1350..1886, 1351..1884, 1401..1892		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o2.tm	Method	TBLASTX:Maize
Start	1917	End	2270
GI	none	Score	49
Exons	1917..2270, 1924..1956, 1932..2264, 2002..2265		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o3.tw	Method	TBLASTX:Wheat
Start	1917	End	2343
GI	none	Score	244
Exons	1917..2267, 1917..2342, 1924..2343		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o3.ts	Method	TBLASTX:Soybean
Start	2088	End	2333
GI	none	Score	209
Exons	2088..2333		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o5.tm	Method	TBLASTX:Maize
Start	2272	End	2591

GI	none	Score	149
Exons	2272..2556, 2277..2591		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o6.tw	Method	TBLASTX:Wheat
Start	2344	End	2618
GI	none	Score	249
Exons	2344..2598, 2346..2603, 2376..2618		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o1.ts	Method	TBLASTX:Soybean
Start	2358	End	2753
GI	none	Score	164
Exons	2358..2603, 2368..2598, 2415..2612, 2573..2716, 2664..2717, 2721..2753, 2721..2753		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o4.tm	Method	TBLASTX:Maize
Start	2664	End	3111
GI	none	Score	129
Exons	2664..3107, 2673..3035, 2929..3111		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o4.tw	Method	TBLASTX:Wheat
Start	2694	End	3180
GI	none	Score	224
Exons	2694..3176, 2703..3065, 2887..3180		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o4.ts	Method	TBLASTX:Soybean
Start	2826	End	3140
GI	none	Score	196
Exons	2826..3140		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o8.tw	Method	TBLASTX:Wheat
Start	3315	End	3662
GI	none	Score	55
Exons	3315..3662, 3352..3483		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o8.tm	Method	TBLASTX:Maize
Start	3396	End	3716

GI	none	Score	187
Exons	3396..3716		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o7.tw	Method	TBLASTX:Wheat
Start	4017	End	4362
GI	none	Score	69
Exons	4017..4361, 4231..4362		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o6.tm	Method	TBLASTX:Maize
Start	4062	End	4361
GI	none	Score	42
Exons	4062..4361, 4078..4143, 4231..4335		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o9.tw	Method	TBLASTX:Wheat
Start	4413	End	4614
GI	none	Score	127
Exons	4413..4613, 4414..4614		

Seq. No.	43847	Seq. ID	OJ000350_34.0310.C42
Gene No.	92081	Strand	-
Start	9168	End	10715
Name	OJ000350_34.0310.C42.o4.gs	Method	GENSCAN
Start	9168	End	10715
GI	none	Score	.53
Exons	9168..9440, 10345..10588, 10669..10715		

Seq. No.	43848	Seq. ID	OJ000350_34.0310.C45
Gene No.	92082	Strand	+
Start	1	End	6532
Name	OJ000350_34.0310.C45.o1.np	Method	AAT/NAP
Start	1	End	6532
GI	7489805	Score	417
Exons	1..32, 2984..3208, 3802..4334, 6453..6532		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		

Seq. No.	43848	Seq. ID	OJ000350_34.0310.C45
Gene No.	92082	Strand	+
Start	1	End	6532
Name	OJ000350_34.0310.C45.o2.np	Method	AAT/NAP
Start	441	End	5490
GI	4680186	Score	363
Exons	441..494, 4397..4451, 5290..5490		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43848	Seq. ID	OJ000350_34.0310.C45
Gene No.	92082	Strand	+
Start	1	End	6532

Name	OJ000350_34.0310.C45.o2.gs	Method	GENSCAN
Start	6317	End	6526
GI	none	Score	.53
Exons	6317..6526		

Seq. No.	43848	Seq. ID	OJ000350_34.0310.C45
Gene No.	92083	Strand	-
Start	5042	End	5423
Name	OJ000350_34.0310.C45.o1.gp	Method	AAT/GAP
Start	5042	End	5423
GI	uC-osflcyp033a04b1	Score	643
Exons	5042..5423		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92084	Strand	+
Start	549	End	1507
Name	OJ000350_34.0310.C46.o1.np	Method	AAT/NAP
Start	549	End	1507
GI	4378066	Score	687
Exons	549..1507		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92085	Strand	+
Start	2854	End	9769
Name	OJ000350_34.0310.C46.o2.np	Method	AAT/NAP
Start	2854	End	9769
GI	7340868	Score	208
Exons	2854..2885, 9555..9769		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92086	Strand	-
Start	534	End	6875
Name	OJ000350_34.0310.C46.o1.gs	Method	GENSCAN
Start	534	End	6875
GI	none	Score	.73
Exons	534..1028, 1183..1259, 1305..1447, 2293..2493, 2825..2946, 3028..3171, 3232..3387, 3501..3665, 3747..4732, 4821..4896, 4969..5085, 6206..6525, 6731..6875		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92087	Strand	-
Start	8311	End	10164
Name	OJ000350_34.0310.C46.o2.gs	Method	GENSCAN
Start	8311	End	10164
GI	none	Score	.58
Exons	8311..8367, 8808..8940, 9935..10164		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o1.tm	Method	TBLASTX:Maize

Start	579	End	926
GI	none	Score	342
Exons	579..926, 674..925		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o1.ts	Method	TBLASTX:Soybean
Start	591	End	941
GI	none	Score	81
Exons	591..710, 596..709, 716..925, 717..941		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o1.tw	Method	TBLASTX:Wheat
Start	648	End	1028
GI	none	Score	136
Exons	648..842, 675..842, 834..1028		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o2.tm	Method	TBLASTX:Maize
Start	957	End	1199
GI	none	Score	197
Exons	957..1199, 962..1060, 1139..1198		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o1.gp	Method	AAT/GAP
Start	13587	End	14152
GI	4879016	Score	853
Exons	13587..14152		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	43849	Seq. ID	OJ000350_34.0310.C46
Gene No.	92088	Strand	-
Start	13829	End	15539
Name	OJ000350_34.0310.C46.o3.gs	Method	GENSCAN
Start	13829	End	15539
GI	none	Score	.49
Exons	13829..13975, 14210..14306, 14406..14430, 15494..15539		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92089	Strand	+
Start	175	End	280
Name	OJ000350_34.0310.C47.o2.gp	Method	AAT/GAP
Start	175	End	280
GI	LIB3477-003-P1-K1-E9	Score	162
Exons	175..280		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92090	Strand	+
Start	4383	End	8577
Name	OJ000350_34.0310.C47.o1.np	Method	AAT/NAP
Start	4383	End	8577
GI	2443320	Score	1113
Exons	4383..4461, 7848..8577		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92090	Strand	+
Start	4383	End	8577
Name	OJ000350_34.0310.C47.o2.gs	Method	GENSCAN
Start	7872	End	8517
GI	none	Score	.56
Exons	7872..8517		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92091	Strand	-
Start	1486	End	4088
Name	OJ000350_34.0310.C47.o1.gs	Method	GENSCAN
Start	1486	End	4088
GI	none	Score	.42
Exons	1486..1556, 2711..2912, 3403..3760, 3880..4088		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92092	Strand	-
Start	5443	End	5702
Name	OJ000350_34.0310.C47.o4.gp	Method	AAT/GAP
Start	5443	End	5702
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	5443..5702		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92093	Strand	
Start	7848	End	8566
Name	OJ000350_34.0310.C47.o2.ts	Method	TBLASTX:Soybean
Start	7848	End	8213
GI	none	Score	78
Exons	7848..7964, 7989..8213		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92093	Strand	
Start	7848	End	8566
Name	OJ000350_34.0310.C47.o1.tw	Method	TBLASTX:Wheat
Start	7989	End	8566
GI	none	Score	751
Exons	7989..8564, 8014..8529, 8015..8566		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92093	Strand	
Start	7848	End	8566
Name	OJ000350_34.0310.C47.o1.tm	Method	TBLASTX:Maize
Start	7995	End	8435

GI	none	Score	282
Exons	7995..8435, 8018..8347		

Seq. No.	43850	Seq. ID	OJ000350_34.0310.C47
Gene No.	92093	Strand	
Start	7848	End	8566
Name	OJ000350_34.0310.C47.o1.ts	Method	TBLASTX:Soybean
Start	8223	End	8531
GI	none	Score	185
Exons	8223..8450, 8225..8446, 8451..8531		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92094	Strand	+
Start	1	End	4710
Name	OJ000350_37.0314.C6.o1.gp	Method	AAT/GAP
Start	1	End	3962
GI	LIB3477-003-P1-K1-E9	Score	157
Exons	1..54, 3912..3962		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92094	Strand	+
Start	1	End	4710
Name	OJ000350_37.0314.C6.o1.gs	Method	GENSCAN
Start	2682	End	4710
GI	none	Score	.79
Exons	2682..2727, 4556..4710		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92095	Strand	+
Start	12281	End	19020
Name	OJ000350_37.0314.C6.o3.gs	Method	GENSCAN
Start	12281	End	15293
GI	none	Score	.82
Exons	12281..12337, 12584..12758, 12795..13557, 13575..13666, 13820..14044, 14125..15293		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92095	Strand	+
Start	12281	End	19020
Name	OJ000350_37.0314.C6.o2.np	Method	AAT/NAP
Start	12869	End	19017
GI	7228457	Score	9691
Exons	12869..13235, 13297..15230, 15294..16126, 16249..17400, 17467..19017		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92095	Strand	+
Start	12281	End	19020
Name	OJ000350_37.0314.C6.o4.gs	Method	GENSCAN
Start	15355	End	19020
GI	none	Score	1

Exons	15355..19020		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92096	Strand	+
Start	23895	End	40726
Name	OJ000350_37.0314.C6.o5.np	Method	AAT/NAP
Start	23895	End	40341
GI	5042454	Score	250
Exons	23895..24045, 24392..24547, 25408..25609, 26520..26571, 27523..27765, 28394..29279, 38175..38291, 38541..38765, 39242..39922, 40287..40341		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92096	Strand	+
Start	23895	End	40726
Name	OJ000350_37.0314.C6.o6.gs	Method	GENSCAN
Start	27245	End	28242
GI	none	Score	.74
Exons	27245..27319, 27494..27578, 27613..27810, 28223..28242		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92096	Strand	+
Start	23895	End	40726
Name	OJ000350_37.0314.C6.o8.gs	Method	GENSCAN
Start	38380	End	40726
GI	none	Score	.61
Exons	38380..38589, 39064..39175, 40297..40434, 40647..40726		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92096	Strand	+
Start	23895	End	40726
Name	OJ000350_37.0314.C6.o7.np	Method	AAT/NAP
Start	39751	End	40341
GI	5042454	Score	170
Exons	39751..39922, 40287..40341		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92097	Strand	-
Start	7096	End	10174
Name	OJ000350_37.0314.C6.o2.gs	Method	GENSCAN
Start	7096	End	10174
GI	none	Score	.41
Exons	7096..7653, 7991..8164, 8273..8407, 8844..8972, 10004..10174		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92097	Strand	-
Start	7096	End	10174
Name	OJ000350_37.0314.C6.o1.np	Method	AAT/NAP
Start	7099	End	7551
GI	1170745	Score	534
Exons	7099..7551		
GI Descrip.	LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A gi\|167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] gi\|167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92097	Strand	-
Start	7096	End	10174
Name	OJ000350_37.0314.C6.o2.gp	Method	AAT/GAP
Start	7183	End	7560
GI	2280878	Score	675
Exons	7183..7560		
GI Descrip.	1170745/sp\|P46518\|LE14_GOSHI 8.0e-26 LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A >gi_167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] >gi_167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92098	Strand	-
Start	19648	End	26387
Name	OJ000350_37.0314.C6.o5.gs	Method	GENSCAN
Start	19648	End	26387
GI	none	Score	.42
Exons	19648..20052, 20136..22547, 22591..22721, 23938..24099, 24184..24294, 24825..24891, 25174..25303, 25477..25627, 25670..25843, 26309..26387		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92098	Strand	-
Start	19648	End	26387
Name	OJ000350_37.0314.C6.o3.np	Method	AAT/NAP
Start	19651	End	22917
GI	6907089	Score	5027
Exons	19651..21564, 21659..22917		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92098	Strand	-
Start	19648	End	26387
Name	OJ000350_37.0314.C6.o4.np	Method	AAT/NAP
Start	23448	End	23570
GI	7523512	Score	157
Exons	23448..23570		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92099	Strand	-
Start	28819	End	31972
Name	OJ000350_37.0314.C6.o7.gs	Method	GENSCAN
Start	28819	End	31972
GI	none	Score	.76
Exons	28819..28983, 29101..29226, 29869..29902, 30392..30478, 30781..30926, 31364..31497, 31894..31972		

Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	7096	End	7711
GI	none	Score	292

Exons	7096..7626, 7106..7408, 7487..7627, 7697..7711		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o1.ts	Method	TBLASTX:Soybean
Start	7099	End	7551
GI	none	Score	252
Exons	7099..7551, 7106..7405		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o9.tw	Method	TBLASTX:Wheat
Start	7099	End	7237
GI	none	Score	127
Exons	7099..7233, 7100..7237		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o1.tc	Method	TBLASTX:Cress
Start	7123	End	7558
GI	none	Score	181
Exons	7123..7551, 7133..7408, 7487..7558		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o5.tm	Method	TBLASTX:Maize
Start	13564	End	13812
GI	none	Score	197
Exons	13564..13812, 13566..13811		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o6.tw	Method	TBLASTX:Wheat
Start	13576	End	13911
GI	none	Score	116
Exons	13576..13674, 13593..13673, 13641..13880, 13657..13911		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o5.tw	Method	TBLASTX:Wheat
Start	13922	End	17379
GI	none	Score	234
Exons	13922..13975, 16921..17175, 16945..17169, 17010..17195, 17230..17379, 17239..17376, 17241..17378		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o3.tw	Method	TBLASTX:Wheat
Start	14651	End	15137
GI	none	Score	401

Exons	14651..14824, 14652..15137, 14846..15106		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	15299	End	15762
GI	none	Score	219
Exons	15299..15742, 15303..15755, 15304..15762, 15310..15756		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o4.ts	Method	TBLASTX:Soybean
Start	15340	End	15705
GI	none	Score	111
Exons	15340..15564, 15571..15705		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o2.tm	Method	TBLASTX:Maize
Start	15430	End	15786
GI	none	Score	388
Exons	15430..15786, 15465..15776, 15481..15786		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o4.tm	Method	TBLASTX:Maize
Start	15813	End	16197
GI	none	Score	346
Exons	15813..16178, 15814..16197		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o2.tw	Method	TBLASTX:Wheat
Start	15870	End	20398
GI	none	Score	467
Exons	15870..16283, 15871..16290, 20300..20398		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o2.ts	Method	TBLASTX:Soybean
Start	15949	End	16320
GI	none	Score	263
Exons	15949..16320		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o3.ts	Method	TBLASTX:Soybean
Start	17068	End	17634
GI	5666795	Score	68
Exons	17068..17166, 17242..17379, 17434..17634		

GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o8.tw	Method	TBLASTX:Wheat
Start	17382	End	17694
GI	none	Score	192
Exons	17382..17558, 17434..17694		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o3.tm	Method	TBLASTX:Maize
Start	17887	End	18210
GI	none	Score	362
Exons	17887..18210, 17916..18197		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o4.tw	Method	TBLASTX:Wheat
Start	18024	End	18405
GI	none	Score	369
Exons	18024..18080, 18025..18405, 18028..18366, 18126..18374		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o7.tw	Method	TBLASTX:Wheat
Start	18406	End	19008
GI	none	Score	265
Exons	18406..18696, 18411..18689, 18882..19004, 18883..19008		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o6.tm	Method	TBLASTX:Maize
Start	18877	End	19023
GI	none	Score	189
Exons	18877..19023, 18882..19022		
Seq. No.	43851	Seq. ID	OJ000350_37.0314.C6
Gene No.	92100	Strand	-
Start	39306	End	39598
Name	OJ000350_37.0314.C6.o6.np	Method	AAT/NAP
Start	39306	End	39598
GI	7523512	Score	183
Exons	39306..39598		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o1.np	Method	AAT/NAP
Start	1	End	7061
GI	6539570	Score	208

Exons	1..41, 1101..1145, 1594..1725, 1845..1894, 2514..2689, 6601..6678, 6867..7061		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o1.gp	Method	AAT/GAP
Start	336	End	904
GI	none	Score	905
Exons	336..771, 851..904		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o1.gs	Method	GENSCAN
Start	674	End	1988
GI	none	Score	.98
Exons	674..771, 851..1988		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o2.gp	Method	AAT/GAP
Start	1256	End	1579
GI	none	Score	634
Exons	1256..1579		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o2.gs	Method	GENSCAN
Start	2460	End	8338
GI	none	Score	.5
Exons	2460..2629, 6612..6632, 8299..8338		
Seq. No.	43852	Seq. ID	OJ000350_37.0314.C7
Gene No.	92101	Strand	-
Start	1	End	8541
Name	OJ000350_37.0314.C7.o2.np	Method	AAT/NAP
Start	7197	End	8541
GI	6630699	Score	87
Exons	7197..7277, 8471..8541		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92102	Strand	+
Start	535	End	3036
Name	OJ000350_37.0314.C8.o1.gs	Method	GENSCAN
Start	535	End	2696
GI	none	Score	.46
Exons	535..834, 1169..1197, 2137..2278, 2361..2430, 2530..2696		
Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92102	Strand	+

Start	535	End	3036
Name	OJ000350_37.0314.C8.o1.np	Method	AAT/NAP
Start	589	End	2696
GI	7486694	Score	658
Exons	589..774, 829..892, 1843..2023, 2137..2278, 2361..2430, 2530..2696		
GI Descrip.	hypothetical protein F8L21.10 - Arabidopsis thaliana gi\|5596468\|emb\|CAB51406.1\| (AL096882) putative protein [Arabidopsis thaliana] gi\|7267821\|emb\|CAB81223.1\| (AL161531) putative protein [Arabidopsis thaliana]		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92102	Strand	+
Start	535	End	3036
Name	OJ000350_37.0314.C8.o1.gp	Method	AAT/GAP
Start	1841	End	2205
GI	23661_1.R1084	Score	455
Exons	1841..2023, 2137..2205		
GI Descrip.	'4454032/emb\|CAA23029.1\| 5.0e-47 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92102	Strand	+
Start	535	End	3036
Name	OJ000350_37.0314.C8.o2.gp	Method	AAT/GAP
Start	1844	End	2268
GI	23661_1.R1084	Score	583
Exons	1844..2023, 2137..2268		
GI Descrip.	'4454032/emb\|CAA23029.1\| 5.0e-47 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92102	Strand	+
Start	535	End	3036
Name	OJ000350_37.0314.C8.o3.gp	Method	AAT/GAP
Start	2391	End	3036
GI	47717_1.R1084	Score	1033
Exons	2391..2430, 2530..3036		
GI Descrip.	'5596468/emb\|CAB51406.1\| 2.0e-22 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.tm	Method	TBLASTX:Maize
Start	592	End	2980
GI	none	Score	147
Exons	592..891, 741..845, 759..890, 835..909, 840..902, 1844..2023, 1845..2024, 1845..2024, 2135..2269, 2139..2273, 2150..2272, 2185..2280, 2360..2398, 2360..2428, 2361..2429, 2361..2429, 2365..2430, 2499..2711, 2504..2707, 2509..2718, 2776..2823, 2777..2824, 2783..2827, 2882..2941, 2897..2938, 2939..2980		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.tw	Method	TBLASTX:Wheat

Start	835	End	2402
GI	none	Score	86
Exons	835..891, 840..890, 1844..2008, 1845..2024, 2120..2269, 2133..2279, 2134..2280, 2138..2281, 2361..2402, 2361..2402		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.ts	Method	TBLASTX:Soybean
Start	835	End	2762
GI	none	Score	91
Exons	835..891, 1844..2023, 1845..2024, 1921..2025, 2135..2269, 2150..2272, 2361..2429, 2361..2426, 2504..2689, 2508..2690, 2532..2762		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.tc	Method	TBLASTX:Cress
Start	835	End	2663
GI	none	Score	85
Exons	835..891, 1844..2005, 1845..2024, 1848..2024, 2135..2269, 2360..2428, 2361..2429, 2504..2662, 2508..2663		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o4.tw	Method	TBLASTX:Wheat
Start	2537	End	2900
GI	none	Score	273
Exons	2537..2713, 2538..2720, 2767..2793, 2826..2900, 2826..2900		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o6.ts	Method	TBLASTX:Soybean
Start	4019	End	4149
GI	none	Score	166
Exons	4019..4144, 4023..4145, 4042..4149		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.gs	Method	GENSCAN
Start	4025	End	9409
GI	none	Score	.93
Exons	4025..4138, 4270..4386, 4480..4548, 4624..4762, 4877..5445, 5712..5879, 6010..6097, 6173..6731, 6837..6937, 7026..7068, 7758..7851, 8073..8111, 8189..8277, 8373..8494, 9219..9409		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o5.tw	Method	TBLASTX:Wheat
Start	4025	End	4320
GI	none	Score	74
Exons	4025..4144, 4028..4129, 4029..4142, 4258..4320		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o4.tm	Method	TBLASTX:Maize
Start	4027	End	4347
GI	none	Score	82
Exons	4027..4098, 4029..4097, 4030..4152, 4032..4169, 4034..4153, 4262..4333, 4268..4324, 4276..4347		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o2.np	Method	AAT/NAP
Start	4028	End	9430
GI	6692099	Score	2290
Exons	4028..4138, 4270..4548, 4624..4762, 4877..5445, 5718..5840, 6010..6097, 6173..6741, 6856..6937, 7026..7077, 8069..8111, 8189..8277, 8373..8494, 9237..9430		
GI Descrip.	(AC007764) F22C12.12 [Arabidopsis thaliana]		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o3.tw	Method	TBLASTX:Wheat
Start	4477	End	5068
GI	none	Score	34
Exons	4477..4551, 4486..4533, 4624..4764, 4625..4768, 4874..5068, 4876..5067		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o4.ts	Method	TBLASTX:Soybean
Start	4477	End	4953
GI	none	Score	39
Exons	4477..4551, 4520..4549, 4613..4762, 4624..4764, 4625..4765, 4876..4953, 4877..4948		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o1.tm	Method	TBLASTX:Maize
Start	4480	End	6363
GI	none	Score	105
Exons	4480..4551, 4609..4764, 4624..4764, 4628..4768, 4875..5156, 4876..5436, 4876..5436, 4877..5437, 4947..5447, 6070..6117, 6173..6361, 6175..6363		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o1.tc	Method	TBLASTX:Cress
Start	4876	End	5260
GI	none	Score	386
Exons	4876..5259, 4877..5260		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o1.ts	Method	TBLASTX:Soybean
Start	4963	End	6268
GI	none	Score	586
Exons	4963..5436, 4973..5437, 6173..6268, 6178..6264		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o1.tw	Method	TBLASTX:Wheat
Start	5104	End	6486
GI	none	Score	168
Exons	5104..5286, 5114..5296, 5120..5290, 5272..5466, 5279..5434, 6178..6486		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o4.tc	Method	TBLASTX:Cress
Start	5272	End	5451
GI	none	Score	107
Exons	5272..5451, 5279..5434		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o3.ts	Method	TBLASTX:Soybean
Start	6031	End	6507
GI	none	Score	111
Exons	6031..6117, 6272..6466, 6277..6498, 6279..6500, 6313..6507		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o3.tm	Method	TBLASTX:Maize
Start	6448	End	8500
GI	none	Score	248
Exons	6448..6738, 6448..6738, 6816..6938, 6820..6939, 6842..6949, 6854..6949, 6987..7070, 7010..7069, 7020..7073, 7756..7863, 7757..7846, 8075..8116, 8076..8114, 8186..8269, 8190..8282, 8190..8279, 8191..8286, 8373..8492, 8374..8496, 8375..8500		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o5.ts	Method	TBLASTX:Soybean
Start	6511	End	6735
GI	none	Score	92
Exons	6511..6735, 6512..6733		

Seq. No.	43853	Seq. ID	OJ000350_37.0314.C8
Gene No.	92103	Strand	-
Start	4025	End	9430
Name	OJ000350_37.0314.C8.o3.tc	Method	TBLASTX:Cress
Start	7768	End	9313

GI	none	Score	63
Exons	7768..7845, 8186..8278, 8186..8269, 8193..8282, 8209..8286, 8374..8496, 8375..8500, 8408..8500, 9224..9313		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.gs	Method	GENSCAN
Start	1978	End	16593
GI	none	Score	.72
Exons	1978..2153, 2811..2927, 3085..3215, 3345..3720, 3813..3896, 4000..4065, 5100..5169, 5495..5880, 6276..6316, 7486..7615, 8584..8679, 10181..10202, 12104..12367, 12570..12652, 13896..13941, 14300..14406, 14486..16024, 16132..16593		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.np	Method	AAT/NAP
Start	3067	End	5892
GI	3702329	Score	517
Exons	3067..3215, 3402..3720, 3813..3896, 4000..4065, 4565..4637, 5495..5719, 5792..5892		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o3.tm	Method	TBLASTX:Maize
Start	3391	End	4037
GI	none	Score	44
Exons	3391..3492, 3408..3488, 3487..3651, 3489..3644, 3493..3729, 3497..3724, 3805..3891, 3810..3908, 3814..3897, 3993..4037, 4000..4035		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.gp	Method	AAT/GAP
Start	3839	End	5850
GI	5861_1.R1084	Score	864
Exons	3839..3896, 4000..4065, 4565..4637, 5495..5850		
GI Descrip.	'3702329 2.0e-14 (AC005397) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o2.gp	Method	AAT/GAP
Start	14034	End	14658
GI	2428809	Score	703
Exons	14034..14160, 14300..14406, 14486..14658		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o2.np	Method	AAT/NAP

Start	14539	End	16560
GI	7486965	Score	1127
Exons	14539..14638, 14771..15001, 15086..15130, 15254..15823, 15866..16024, 16132..16560		
GI Descrip.	hypothetical protein T13J8.80 - Arabidopsis thaliana gi\|4455356\|emb\|CAB36766.1\| (AL035524) putative protein [Arabidopsis thaliana] gi\|7269651\|emb\|CAB79599.1\| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	14917	End	15483
GI	none	Score	38
Exons	14917..14946, 15065..15154, 15256..15483, 15260..15472		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o2.ts	Method	TBLASTX:Soybean
Start	15374	End	15613
GI	none	Score	257
Exons	15374..15613, 15385..15600		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	15559	End	15919
GI	none	Score	42
Exons	15559..15591, 15560..15592, 15608..15886, 15617..15781, 15622..15855, 15836..15871, 15866..15919		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	15653	End	16024
GI	none	Score	563
Exons	15653..16024, 15655..15849, 15901..16014		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	15772	End	16024
GI	none	Score	360
Exons	15772..15849, 15773..16024, 15901..16014		

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	15802	End	16272
GI	none	Score	300
Exons	15802..15849, 15806..16027, 15836..15871, 15901..16014,		

16134..16181, 16135..16197, 16182..16256, 16183..16272

Seq. No.	43854	Seq. ID	OJ000350_37.0314.C9
Gene No.	92104	Strand	+
Start	1978	End	16593
Name	OJ000350_37.0314.C9.o4.tm	Method	TBLASTX:Maize
Start	15919	End	16398
GI	none	Score	130
Exons	15919..16014, 15920..16024, 16131..16271, 16132..16272, 16332..16382, 16345..16398		

Seq. No.	43855	Seq. ID	OJ000350_37.0314.C10
Gene No.	92105	Strand	+
Start	2122	End	2557
Name	OJ000350_37.0314.C10.o2.gs	Method	GENSCAN
Start	2122	End	2557
GI	none	Score	.64
Exons	2122..2209, 2247..2557		

Seq. No.	43855	Seq. ID	OJ000350_37.0314.C10
Gene No.	92106	Strand	+
Start	12728	End	14314
Name	OJ000350_37.0314.C10.o1.np	Method	AAT/NAP
Start	12358	End	12900
GI	6539585	Score	178
Exons	12358..12529, 12829..12900		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43855	Seq. ID	OJ000350_37.0314.C10
Gene No.	92106	Strand	+
Start	12728	End	14314
Name	OJ000350_37.0314.C10.o4.gs	Method	GENSCAN
Start	12728	End	14314
GI	none	Score	.7
Exons	12728..12815, 12822..12929, 13034..13175, 14006..14314		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92107	Strand	+
Start	1	End	288
Name	OJ000350_37.0314.C11.o1.np	Method	AAT/NAP
Start	1	End	288
GI	4218008	Score	189
Exons	1..288		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92108	Strand	+
Start	6434	End	8689
Name	OJ000350_37.0314.C11.o2.np	Method	AAT/NAP
Start	6434	End	8637
GI	7446180	Score	1709
Exons	6434..6805, 7527..7890, 7998..8270, 8464..8637		
GI Descrip.	myb-related protein 5 - rice gi\|2605625\|dbj\|BAA23341.1\| (D88621) OSMYB5 [Oryza sativa]		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92108	Strand	+

Start	6434	End	8689
Name	OJ000350_37.0314.C11.o3.gp	Method	AAT/GAP
Start	6949	End	8689
GI	2605624	Score	1350
Exons	6949..6981, 7505..7890, 7998..8266, 8460..8689		
GI Descrip.	2605625/dbj\|BAA23341\| 0.0e+00 (D88621) OSMYB5 [Oryza sativa]		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92108	Strand	+
Start	6434	End	8689
Name	OJ000350_37.0314.C11.o2.gp	Method	AAT/GAP
Start	7518	End	8582
GI	2605624	Score	1267
Exons	7518..7890, 7998..8266, 8460..8582		
GI Descrip.	2605625/dbj\|BAA23341\| 0.0e+00 (D88621) OSMYB5 [Oryza sativa]		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92109	Strand	-
Start	126	End	410
Name	OJ000350_37.0314.C11.o1.gp	Method	AAT/GAP
Start	126	End	410
GI	286714	Score	541
Exons	126..410		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92110	Strand	
Start	6553	End	7664
Name	OJ000350_37.0314.C11.o1.tc	Method	TBLASTX:Cress
Start	6553	End	7583
GI	none	Score	330
Exons	6553..6729, 6554..6802, 7521..7583		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92110	Strand	
Start	6553	End	7664
Name	OJ000350_37.0314.C11.o1.ts	Method	TBLASTX:Soybean
Start	6553	End	6802
GI	none	Score	282
Exons	6553..6801, 6554..6802		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92110	Strand	
Start	6553	End	7664
Name	OJ000350_37.0314.C11.o1.tm	Method	TBLASTX:Maize
Start	6554	End	7664
GI	none	Score	236
Exons	6554..6733, 6556..6720, 6716..6799, 6719..6805, 7511..7585, 7524..7664, 7527..7649		

Seq. No.	43856	Seq. ID	OJ000350_37.0314.C11
Gene No.	92110	Strand	
Start	6553	End	7664
Name	OJ000350_37.0314.C11.o1.tw	Method	TBLASTX:Wheat
Start	6554	End	6787
GI	none	Score	261
Exons	6554..6787, 6562..6729		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92111	Strand	+
Start	2076	End	2392
Name	OJ000350_37.0314.C12.o1.gp	Method	AAT/GAP
Start	2076	End	2392
GI	4879868	Score	610
Exons	2076..2392		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92112	Strand	+
Start	2360	End	8325
Name	OJ000350_37.0314.C12.o1.np	Method	AAT/NAP
Start	2360	End	7814
GI	7485669	Score	1337
Exons	2360..2461, 3387..3469, 3561..3711, 4090..4158, 4273..4483, 4643..4723, 4875..5014, 5185..5307, 6150..6342, 7632..7814		
GI Descrip.	hypothetical protein F17N18.140 - Arabidopsis thaliana gi\|4753659\|emb\|CAB41935.1\| (AL049751) putative protein [Arabidopsis thaliana] gi\|7268027\|emb\|CAB78367.1\| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92112	Strand	+
Start	2360	End	8325
Name	OJ000350_37.0314.C12.o2.gs	Method	GENSCAN
Start	3101	End	6452
GI	none	Score	.8
Exons	3101..3136, 3387..3465, 3576..3711, 4273..4468, 4655..4723, 4875..5014, 5185..5307, 6150..6342, 6396..6452		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92112	Strand	+
Start	2360	End	8325
Name	OJ000350_37.0314.C12.o2.gp	Method	AAT/GAP
Start	4688	End	8325
GI	1439_1.R1084	Score	2151
Exons	4688..4723, 4875..5014, 5185..5307, 6150..6342, 7632..8325		
GI Descrip.	'4680189/gb\|AF111710.1\|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o2.ts	Method	TBLASTX:Soybean
Start	3387	End	5039
GI	none	Score	107
Exons	3387..3467, 3396..3467, 3574..3711, 3575..3709, 4078..4158, 4079..4156, 4270..4326, 4271..4477, 4366..4476, 4654..4716, 4655..4726, 4655..4723, 4871..5017, 4872..5015, 4872..5039		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o1.tm	Method	TBLASTX:Maize
Start	3438	End	4936

GI	none	Score	49
Exons	3438..3467, 3572..3709, 3574..3711, 3575..3709, 4077..4154, 4078..4158, 4079..4156, 4263..4460, 4270..4476, 4271..4477, 4275..4490, 4644..4724, 4654..4716, 4655..4726, 4655..4723, 4871..4936, 4874..4936		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o1.tc	Method	TBLASTX:Cress
Start	4871	End	6309
GI	none	Score	207
Exons	4871..5017, 4872..5015, 5154..5285, 5177..5287, 5188..5307, 6139..6309, 6141..6305		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o2.tm	Method	TBLASTX:Maize
Start	4938	End	8153
GI	none	Score	129
Exons	4938..5015, 4940..5017, 4940..5014, 5164..5307, 5177..5287, 6139..6342, 6141..6341, 6153..6344, 6164..6343, 7629..7835, 7631..7837, 7631..7837, 7665..7838, 7856..7930, 8023..8058, 8024..8122, 8129..8149, 8130..8153		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o1.ts	Method	TBLASTX:Soybean
Start	5177	End	7818
GI	none	Score	158
Exons	5177..5287, 5177..5302, 5188..5307, 6139..6342, 6144..6338, 6157..6342, 6165..6356, 7629..7775, 7630..7818, 7631..7816, 7668..7817		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o2.tc	Method	TBLASTX:Cress
Start	7629	End	7783
GI	none	Score	224
Exons	7629..7775, 7631..7783, 7643..7780		

Seq. No.	43857	Seq. ID	OJ000350_37.0314.C12
Gene No.	92113	Strand	-
Start	7995	End	12587
Name	OJ000350_37.0314.C12.o3.gs	Method	GENSCAN
Start	7995	End	12587
GI	none	Score	.52
Exons	7995..8230, 8453..8570, 8706..8905, 12273..12319, 12472..12587		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92114	Strand	+
Start	10186	End	11823
Name	OJ000350_36.0314.C1.o1.gp	Method	AAT/GAP
Start	10086	End	10540

GI	uC-osroM202033a09b1	Score	874
Exons	10086..10540		
GI Descrip.	'1345644/sp\|P48422\|C861_ARATH 2.0e-14 CYTOCHROME P450 86A1 (CYPLXXXVI) >gi_940446_emb_CAA62082_ (X90458) cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92114	Strand	+
Start	10186	End	11823
Name	OJ000350_36.0314.C1.o4.gs	Method	GENSCAN
Start	10186	End	11823
GI	none	Score	.93
Exons	10186..11823		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92114	Strand	+
Start	10186	End	11823
Name	OJ000350_36.0314.C1.o1.np	Method	AAT/NAP
Start	10207	End	11751
GI	1345644	Score	1891
Exons	10207..11751		
GI Descrip.	CYTOCHROME P450 86A1 (CYPLXXXVI) gi\|940446\|emb\|CAA62082\| (X90458) cytochrome p450 [Arabidopsis thaliana]		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92114	Strand	+
Start	10186	End	11823
Name	OJ000350_36.0314.C1.o2.gp	Method	AAT/GAP
Start	11268	End	11564
GI	572140	Score	422
Exons	11268..11564		
GI Descrip.	1345644/sp\|P48422\|C861_ARATH 2.0e-14 CYTOCHROME P450 86A1 (CYPLXXXVI) >gi_940446_emb_CAA62082_ (X90458) cytochrome p450 [Arabidopsis thaliana]		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92115	Strand	-
Start	840	End	6614
Name	OJ000350_36.0314.C1.o2.gs	Method	GENSCAN
Start	840	End	6614
GI	none	Score	.47
Exons	840..1138, 3610..3714, 4816..4893, 5734..5856, 6488..6614		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92116	Strand	-
Start	7664	End	9119
Name	OJ000350_36.0314.C1.o3.gs	Method	GENSCAN
Start	7664	End	9119
GI	none	Score	.64
Exons	7664..7879, 7984..8033, 8104..8271, 8521..8813, 8899..9119		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92117	Strand	-
Start	11684	End	12083
Name	OJ000350_36.0314.C1.o3.gp	Method	AAT/GAP
Start	11684	End	12083
GI	uC-osroM202033h10a1	Score	739

Exons	11684..12083		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92118	Strand	-
Start	13101	End	13174
Name	OJ000350_36.0314.C1.o1.tm	Method	TBLASTX:Maize
Start	9887	End	11685
GI	none	Score	119
Exons	9887..9979, 9887..9979, 9979..10074, 9987..10073, 9996..10085, 10000..10083, 10117..10143, 10177..11223, 10179..11684, 10182..10253, 10183..11685		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92118	Strand	-
Start	13101	End	13174
Name	OJ000350_36.0314.C1.o1.ts	Method	TBLASTX:Soybean
Start	10255	End	11757
GI	none	Score	177
Exons	10255..10389, 10261..10431, 10269..10442, 10401..10688, 10407..10712, 10408..11010, 10738..11010, 11062..11526, 11062..11190, 11079..11513, 11529..11738, 11530..11757		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92118	Strand	-
Start	13101	End	13174
Name	OJ000350_36.0314.C1.o1.tc	Method	TBLASTX:Cress
Start	10261	End	11736
GI	none	Score	190
Exons	10261..10431, 10284..10397, 10407..10712, 10408..11370, 10767..10925, 10983..11372, 11287..11388, 11376..11720, 11377..11736, 11377..11733		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92118	Strand	-
Start	13101	End	13174
Name	OJ000350_36.0314.C1.o1.tw	Method	TBLASTX:Wheat
Start	11059	End	11493
GI	none	Score	681
Exons	11059..11223, 11061..11492, 11065..11493		

Seq. No.	43858	Seq. ID	OJ000350_36.0314.C1
Gene No.	92118	Strand	-
Start	13101	End	13174
Name	OJ000350_36.0314.C1.o5.gs	Method	GENSCAN
Start	13101	End	13174
GI	none	Score	1
Exons	13101..13174		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o2.np	Method	AAT/NAP
Start	2734	End	4167
GI	6907088	Score	1196
Exons	2734..2871, 3048..3285, 3780..4167		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o2.gs	Method	GENSCAN
Start	3007	End	4851
GI	none	Score	.78
Exons	3007..3088, 3203..3285, 4113..4374, 4382..4513, 4688..4851		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o1.gp	Method	AAT/GAP
Start	3546	End	3739
GI	5667165	Score	360
Exons	3546..3739		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o5.np	Method	AAT/NAP
Start	3797	End	5505
GI	6983857	Score	1292
Exons	3797..3914, 3978..4513, 4684..5145, 5177..5505		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o4.np	Method	AAT/NAP
Start	3995	End	6764
GI	7523494	Score	656
Exons	3995..4513, 4887..5239, 5318..5431, 6743..6764		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o6.np	Method	AAT/NAP
Start	6070	End	9874
GI	6721547	Score	85
Exons	6070..6163, 9793..9874		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92119	Strand	+
Start	3007	End	9874
Name	OJ000350_36.0314.C2.o3.gp	Method	AAT/GAP
Start	8944	End	9408
GI	36661_1.R1084	Score	898
Exons	8944..9408		
GI Descrip.	'3335359 9.0e-21 (AC003028) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92120	Strand	+
Start	17463	End	18564
Name	OJ000350_36.0314.C2.o8.np	Method	AAT/NAP
Start	17463	End	18564
GI	6815053	Score	734
Exons	17463..17609, 18103..18278, 18328..18564		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92121	Strand	+
Start	22638	End	27540
Name	OJ000350_36.0314.C2.o9.np	Method	AAT/NAP
Start	22638	End	24083
GI	6907088	Score	855
Exons	22638..22775, 22949..23186, 23683..24083		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92121	Strand	+
Start	22638	End	27540
Name	OJ000350_36.0314.C2.o7.gp	Method	AAT/GAP
Start	23447	End	23638
GI	5667165	Score	348
Exons	23447..23638		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92121	Strand	+
Start	22638	End	27540
Name	OJ000350_36.0314.C2.o11.np	Method	AAT/NAP
Start	23472	End	27540
GI	6721512	Score	184
Exons	23472..23532, 25584..25701, 25730..25865, 25906..25965, 27496..27540		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92122	Strand	-
Start	784	End	1737
Name	OJ000350_36.0314.C2.o1.gs	Method	GENSCAN
Start	784	End	1737
GI	none	Score	.96
Exons	784..1737		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92122	Strand	-
Start	784	End	1737
Name	OJ000350_36.0314.C2.o1.np	Method	AAT/NAP
Start	818	End	1598
GI	6002794	Score	1215
Exons	818..1598		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92123	Strand	-

Start	2528	End	5243
Name	OJ000350_36.0314.C2.o3.np	Method	AAT/NAP
Start	2528	End	5243
GI	5777623	Score	795
Exons	2528..2548, 3019..3261, 4075..4587, 4766..4881, 5127..5243		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92124	Strand	-
Start	9207	End	20751
Name	OJ000350_36.0314.C2.o3.gs	Method	GENSCAN
Start	9207	End	20751
GI	none	Score	.71
Exons	9207..10085, 10703..10900, 11533..12219, 13901..14029, 14118..14145, 15273..15315, 16799..16940, 17120..17269, 17717..17768, 19992..20025, 20118..20156, 20373..20751		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92124	Strand	-
Start	9207	End	20751
Name	OJ000350_36.0314.C2.o7.np	Method	AAT/NAP
Start	9219	End	12159
GI	7485589	Score	1864
Exons	9219..10085, 11533..12159		
GI Descrip.	hypothetical protein F16M14.4 - Arabidopsis thaliana gi\|3335359\|gb\|AAC27160.1\| (AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92124	Strand	-
Start	9207	End	20751
Name	OJ000350_36.0314.C2.o4.gp	Method	AAT/GAP
Start	10623	End	11164
GI	none	Score	1040
Exons	10623..11164		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92124	Strand	-
Start	9207	End	20751
Name	OJ000350_36.0314.C2.o5.gp	Method	AAT/GAP
Start	11801	End	12216
GI	24094_2.R1084	Score	812
Exons	11801..12216		
GI Descrip.	'3335359 2.0e-30 (AC003028) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92125	Strand	-
Start	21336	End	25261
Name	OJ000350_36.0314.C2.o10.np	Method	AAT/NAP
Start	21336	End	25261
GI	5777623	Score	936
Exons	21336..21391, 22883..23163, 23992..24498, 24676..24816, 25062..25261		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2

Gene No.	92125	Strand	-
Start	21336	End	25261
Name	OJ000350_36.0314.C2.o6.gp	Method	AAT/GAP
Start	21812	End	22319
GI	38782_1.R1084	Score	831
Exons	21812..22319		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92125	Strand	-
Start	21336	End	25261
Name	OJ000350_36.0314.C2.o4.gs	Method	GENSCAN
Start	22114	End	25149
GI	none	Score	.9
Exons	22114..22187, 22564..22611, 23373..23417, 24005..24122, 24172..24403, 24676..24817, 25050..25149		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	9225	End	12174
GI	none	Score	460
Exons	9225..9803, 9232..9804, 9846..10088, 9847..10065, 11509..12174, 11530..12084, 11531..12163		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o2.tm	Method	TBLASTX:Maize
Start	9231	End	9549
GI	none	Score	263
Exons	9231..9548, 9241..9549		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	9240	End	9635
GI	none	Score	223
Exons	9240..9635, 9241..9606		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o1.tm	Method	TBLASTX:Maize
Start	9553	End	11653
GI	none	Score	187
Exons	9553..9804, 9553..9729, 9555..10088, 9555..9803, 9790..9894, 9846..10088, 11531..11653, 11533..11652		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o3.tc	Method	TBLASTX:Cress
Start	9846	End	10067

GI	none	Score	129
Exons	9846..10067, 9859..10017		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o4.tc	Method	TBLASTX:Cress
Start	11518	End	11769
GI	none	Score	125
Exons	11518..11685, 11519..11674, 11689..11769		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o2.tc	Method	TBLASTX:Cress
Start	11770	End	12087
GI	none	Score	130
Exons	11770..12087, 11801..12082		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	11878	End	12151
GI	none	Score	290
Exons	11878..12147, 11881..12147, 12035..12151		

Seq. No.	43859	Seq. ID	OJ000350_36.0314.C2
Gene No.	92126	Strand	-
Start	27250	End	27393
Name	OJ000350_36.0314.C2.o5.gs	Method	GENSCAN
Start	27250	End	27393
GI	none	Score	.54
Exons	27250..27393		

Seq. No.	43860	Seq. ID	OJ000350_36.0314.C3
Gene No.	92127	Strand	
Start	117	End	486
Name	OJ000350_36.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	117	End	486
GI	none	Score	69
Exons	117..254, 117..308, 118..348, 415..486		

Seq. No.	43861	Seq. ID	OJ000350_36.0314.C4
Gene No.	92128	Strand	+
Start	247	End	336
Name	OJ000350_36.0314.C4.o1.np	Method	AAT/NAP
Start	247	End	336
GI	6721547	Score	91
Exons	247..336		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92129	Strand	+
Start	324	End	2640
Name	OJ000350_36.0314.C5.o1.gs	Method	GENSCAN
Start	324	End	1646

GI	none	Score	.6
Exons	324..371, 1206..1646		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92129	Strand	+
Start	324	End	2640
Name	OJ000350_36.0314.C5.o1.np	Method	AAT/NAP
Start	897	End	2640
GI	6907086	Score	1175
Exons	897..1663, 1722..2011, 2234..2403, 2436..2640		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92130	Strand	+
Start	4831	End	5133
Name	OJ000350_36.0314.C5.o1.gp	Method	AAT/GAP
Start	4831	End	5133
GI	uC-osflcyp135b09a1	Score	606
Exons	4831..5133		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92131	Strand	+
Start	8986	End	9668
Name	OJ000350_36.0314.C5.o2.gp	Method	AAT/GAP
Start	8986	End	9668
GI	4714679	Score	1126
Exons	8986..9668		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92132	Strand	+
Start	11057	End	12054
Name	OJ000350_36.0314.C5.o3.np	Method	AAT/NAP
Start	11057	End	12054
GI	4680186	Score	143
Exons	11057..11110, 11950..12054		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o2.np	Method	AAT/NAP
Start	3804	End	12054
GI	81286	Score	138
Exons	3804..4002, 4795..4918, 5644..5714, 7283..7364, 7674..8102, 12019..12054		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o1.tc	Method	TBLASTX:Cress
Start	3907	End	4446

GI	none	Score	167
Exons	3907..4131, 3908..4132, 4234..4446		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o2.tm	Method	TBLASTX:Maize
Start	3915	End	7828
GI	none	Score	126
Exons	3915..4067, 3928..4011, 3929..4123, 3934..4122, 4048..4128, 7609..7653, 7730..7828		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o2.ts	Method	TBLASTX:Soybean
Start	3925	End	4326
GI	none	Score	67
Exons	3925..4128, 3928..4125, 4015..4131, 4243..4326		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o4.tm	Method	TBLASTX:Maize
Start	4209	End	4453
GI	none	Score	51
Exons	4209..4316, 4234..4452, 4239..4298, 4403..4453, 4418..4453		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o2.tc	Method	TBLASTX:Cress
Start	4835	End	5025
GI	none	Score	122
Exons	4835..5023, 4843..5025		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o1.ts	Method	TBLASTX:Soybean
Start	4897	End	5214
GI	none	Score	170
Exons	4897..5094, 4898..5095, 5146..5214		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o1.tm	Method	TBLASTX:Maize
Start	5051	End	5790
GI	none	Score	61
Exons	5051..5095, 5053..5424, 5168..5254, 5227..5418, 5351..5440, 5528..5563, 5529..5564, 5533..5580, 5576..5596, 5577..5597, 5688..5717, 5688..5717, 5739..5756, 5740..5790		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054

Name	OJ000350_36.0314.C5.o1.tw	Method	TBLASTX:Wheat
Start	8897	End	9150
GI	none	Score	271
Exons	8897..9148, 8917..9150		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o5.tm	Method	TBLASTX:Maize
Start	8980	End	9184
GI	none	Score	182
Exons	8980..9177, 8981..9184		

Seq. No.	43862	Seq. ID	OJ000350_36.0314.C5
Gene No.	92133	Strand	-
Start	3804	End	12054
Name	OJ000350_36.0314.C5.o3.tm	Method	TBLASTX:Maize
Start	9227	End	9517
GI	none	Score	181
Exons	9227..9415, 9235..9423, 9419..9517		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o1.gs	Method	GENSCAN
Start	407	End	2753
GI	none	Score	.4
Exons	407..2753		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o3.tw	Method	TBLASTX:Wheat
Start	1124	End	1363
GI	none	Score	213
Exons	1124..1363, 1261..1362		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o1.np	Method	AAT/NAP
Start	1403	End	2888
GI	3738337	Score	611
Exons	1403..2888		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	1664	End	2644
GI	none	Score	420
Exons	1664..2128, 1666..1893, 1930..2124, 2144..2599, 2155..2610, 2621..2644		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6

Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o4.tw	Method	TBLASTX:Wheat
Start	1712	End	1939
GI	none	Score	204
Exons	1712..1933, 1763..1939		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o2.tw	Method	TBLASTX:Wheat
Start	1958	End	2299
GI	none	Score	132
Exons	1958..2128, 1963..2124, 2150..2299, 2164..2298		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o1.ts	Method	TBLASTX:Soybean
Start	2227	End	2755
GI	none	Score	55
Exons	2227..2280, 2228..2284, 2335..2577, 2345..2581, 2570..2755, 2590..2733		

Seq. No.	43863	Seq. ID	OJ000350_36.0314.C6
Gene No.	92134	Strand	+
Start	407	End	2888
Name	OJ000350_36.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	2378	End	2752
GI	none	Score	296
Exons	2378..2752, 2623..2736		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92135	Strand	+
Start	1132	End	1263
Name	OJ000350_36.0314.C7.o1.np	Method	AAT/NAP
Start	1132	End	1263
GI	7339699	Score	91
Exons	1132..1263		
GI Descrip.	(AP001539) EST C98176(C0955) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative cellular apoptosis susceptibility protein. (AC006418) [Oryza sativa]		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92136	Strand	+
Start	2234	End	3559
Name	OJ000350_36.0314.C7.o2.gs	Method	GENSCAN
Start	2234	End	3559
GI	none	Score	.7
Exons	2234..2242, 2608..2664, 2747..2916, 3502..3559		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92137	Strand	+
Start	18141	End	19892
Name	OJ000350_36.0314.C7.o1.gp	Method	AAT/GAP
Start	18028	End	18568

GI	none	Score	1010
Exons	18028..18568		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92137	Strand	+
Start	18141	End	19892
Name	OJ000350_36.0314.C7.o3.np	Method	AAT/NAP
Start	18114	End	19526
GI	2088653	Score	918
Exons	18114..18571, 18624..19526		
GI Descrip.	(AF002109) putative nematode-resistance protein [Arabidopsis thaliana]		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92137	Strand	+
Start	18141	End	19892
Name	OJ000350_36.0314.C7.o5.gs	Method	GENSCAN
Start	18141	End	19565
GI	none	Score	1
Exons	18141..19565		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92137	Strand	+
Start	18141	End	19892
Name	OJ000350_36.0314.C7.o2.gp	Method	AAT/GAP
Start	18983	End	19892
GI	18475_1.R1084	Score	1768
Exons	18983..19892		
GI Descrip.	'2088653 7.0e-42 (AF002109) Hslpro-1 related protein isolog [Arabidopsis thaliana]'		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92138	Strand	+
Start	31322	End	33942
Name	OJ000350_36.0314.C7.o8.gs	Method	GENSCAN
Start	31322	End	33942
GI	none	Score	.63
Exons	31322..31430, 31860..31955, 32058..32212, 33666..33745, 33822..33942		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92139	Strand	-
Start	6032	End	10697
Name	OJ000350_36.0314.C7.o3.gs	Method	GENSCAN
Start	6032	End	10697
GI	none	Score	.7
Exons	6032..6040, 6561..6650, 6735..6830, 7520..7585, 7648..7708, 7811..7860, 8031..8081, 8180..8253, 8347..8406, 8499..8605, 8706..8835, 8893..8962, 9043..9266, 9321..9536, 9567..9723, 9916..10098, 10689..10697		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92139	Strand	-
Start	6032	End	10697
Name	OJ000350_36.0314.C7.o2.np	Method	AAT/NAP
Start	6439	End	9830
GI	3582344	Score	796

Exons	6439..6650, 6735..6838, 6940..6994, 7080..7169, 7631..7708, 7811..7860, 8031..8081, 8180..8253, 8347..8406, 8499..8608, 8706..8812, 8888..8962, 9043..9266, 9345..9370, 9538..9830		
GI Descrip.	(AC005496) putative CDC6 protein [Arabidopsis thaliana]		
Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o4.tm	Method	TBLASTX:Maize
Start	8204	End	8614
GI	none	Score	57
Exons	8204..8251, 8205..8252, 8311..8397, 8336..8416, 8343..8408, 8497..8610, 8498..8614, 8498..8611		
Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o2.tm	Method	TBLASTX:Maize
Start	8884	End	9454
GI	none	Score	91
Exons	8884..8964, 8885..8965, 8885..8977, 8911..8976, 9070..9267, 9080..9268, 9082..9267, 9093..9290, 9345..9440, 9346..9441, 9346..9432, 9347..9454		
Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o5.tm	Method	TBLASTX:Maize
Start	10743	End	11112
GI	none	Score	190
Exons	10743..10916, 10747..10935, 10933..11112, 10959..11111		
Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o4.np	Method	AAT/NAP
Start	14708	End	35671
GI	7446175	Score	296
Exons	14708..14810, 24178..24354, 24974..25100, 25188..25216, 34343..34408, 35625..35671		
GI Descrip.	transforming protein myb homolog F28A21.180 - Arabidopsis thaliana gi\|4539396\|emb\|CAB37462.1\| (AL035526) myb-like protein [Arabidopsis thaliana] gi\|5823339\|gb\|AAD53108.1\|AF176003_1 (AF176003) putative transcription factor [Arabidopsis thaliana] gi\|7268671\|emb\|CAB78879.1\| (AL161549) myb-like protein [Arabidopsis thaliana]		
Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o3.tm	Method	TBLASTX:Maize
Start	17989	End	18599
GI	none	Score	44
Exons	17989..18039, 18134..18193, 18135..18200, 18141..18197, 18236..18415, 18237..18431, 18282..18479, 18498..18599, 18518..18598		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o1.ts	Method	TBLASTX:Soybean
Start	18270	End	19514
GI	none	Score	175
Exons	18270..18431, 18282..18488, 18623..18802, 18624..18857, 18855..19274, 19100..19249, 19304..19414, 19365..19514, 19424..19501		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	18815	End	19585
GI	none	Score	170
Exons	18815..18991, 18827..18949, 18828..19118, 18853..18954, 18873..19016, 19070..19141, 19091..19585, 19092..19520, 19114..19158		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o1.tc	Method	TBLASTX:Cress
Start	18972	End	19514
GI	none	Score	158
Exons	18972..19112, 19118..19249, 19119..19253, 19281..19391, 19319..19390, 19425..19514, 19448..19513		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o1.tw	Method	TBLASTX:Wheat
Start	19235	End	32301
GI	none	Score	340
Exons	19235..19516, 19236..19526, 19239..19529, 32248..32301		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o7.gs	Method	GENSCAN
Start	22976	End	28198
GI	none	Score	.57
Exons	22976..23060, 23513..24354, 24974..25100, 25188..25589, 28017..28198		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671
Name	OJ000350_36.0314.C7.o3.gp	Method	AAT/GAP
Start	25339	End	25626
GI	1631475	Score	519
Exons	25339..25626		

Seq. No.	43864	Seq. ID	OJ000350_36.0314.C7
Gene No.	92140	Strand	-
Start	14708	End	35671

Name	OJ000350_36.0314.C7.o9.gs	Method	GENSCAN
Start	34297	End	34494
GI	none	Score	.86
Exons	34297..34494		

Seq. No.	43865	Seq. ID	OJ000350_36.0314.C8
Gene No.	92141	Strand	-
Start	1	End	1662
Name	OJ000350_36.0314.C8.o1.np	Method	AAT/NAP
Start	1	End	850
GI	6907086	Score	943
Exons	1..27, 88..850		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43865	Seq. ID	OJ000350_36.0314.C8
Gene No.	92141	Strand	-
Start	1	End	1662
Name	OJ000350_36.0314.C8.o1.gs	Method	GENSCAN
Start	113	End	1662
GI	none	Score	.82
Exons	113..559, 1384..1466, 1581..1662		

Seq. No.	43865	Seq. ID	OJ000350_36.0314.C8
Gene No.	92141	Strand	-
Start	1	End	1662
Name	OJ000350_36.0314.C8.o1.gp	Method	AAT/GAP
Start	931	End	1123
GI	5667165	Score	351
Exons	931..1123		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.np	Method	AAT/NAP
Start	24	End	3845
GI	4680179	Score	3730
Exons	24..3246, 3810..3845		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o5.tw	Method	TBLASTX:Wheat
Start	68	End	401
GI	none	Score	170
Exons	68..400, 89..361, 201..401		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o7.tm	Method	TBLASTX:Maize
Start	83	End	244
GI	none	Score	93
Exons	83..241, 89..244		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.gs	Method	GENSCAN
Start	92	End	3812
GI	none	Score	.55
Exons	92..814, 944..1058, 1078..3062, 3226..3396, 3738..3812		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	251	End	847
GI	none	Score	213
Exons	251..688, 261..689, 631..690, 686..844, 693..839, 695..847		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	401	End	1027
GI	none	Score	273
Exons	401..1027, 414..971		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o4.tm	Method	TBLASTX:Maize
Start	896	End	1169
GI	none	Score	195
Exons	896..1129, 900..1124, 1137..1169		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o2.ts	Method	TBLASTX:Soybean
Start	986	End	1223
GI	none	Score	131
Exons	986..1129, 987..1124, 1131..1217, 1137..1223		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	1010	End	1310
GI	none	Score	84
Exons	1010..1162, 1026..1127, 1137..1310		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o4.tw	Method	TBLASTX:Wheat
Start	1034	End	1541
GI	none	Score	102
Exons	1034..1129, 1038..1130, 1130..1297, 1131..1283, 1131..1541, 1132..1389		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	1584	End	1939
GI	none	Score	243
Exons	1584..1937, 1585..1935, 1589..1939		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o2.tw	Method	TBLASTX:Wheat
Start	1584	End	2010
GI	none	Score	312
Exons	1584..2009, 1585..2010		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o3.ts	Method	TBLASTX:Soybean
Start	1758	End	2003
GI	none	Score	92
Exons	1758..2003, 1759..1974		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o5.tm	Method	TBLASTX:Maize
Start	1944	End	2291
GI	none	Score	89
Exons	1944..2291, 2089..2259		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o6.tw	Method	TBLASTX:Wheat
Start	2016	End	2312
GI	none	Score	204
Exons	2016..2312, 2053..2268, 2055..2312		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	2052	End	2420
GI	none	Score	181
Exons	2052..2384, 2053..2268, 2076..2384, 2308..2403, 2388..2420, 2388..2420		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o3.tm	Method	TBLASTX:Maize
Start	2307	End	2774
GI	none	Score	94
Exons	2307..2774, 2526..2702, 2530..2703		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o3.tw	Method	TBLASTX:Wheat
Start	2361	End	2847
GI	none	Score	178
Exons	2361..2843, 2370..2819, 2389..2847, 2605..2844		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o6.tm	Method	TBLASTX:Maize
Start	2775	End	2972
GI	none	Score	67
Exons	2775..2936, 2775..2972, 2776..2937		

Seq. No.	43866	Seq. ID	OJ000350_36.0314.C9
Gene No.	92142	Strand	-
Start	24	End	3845
Name	OJ000350_36.0314.C9.o7.tw	Method	TBLASTX:Wheat
Start	2848	End	3207
GI	none	Score	51
Exons	2848..2922, 2850..2933, 3021..3206, 3028..3207		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92143	Strand	+
Start	1	End	2853
Name	OJ000350_36.0314.C10.o1.np	Method	AAT/NAP
Start	1	End	2850
GI	7228457	Score	2908
Exons	1..181, 264..2850		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92143	Strand	+
Start	1	End	2853
Name	OJ000350_36.0314.C10.o1.gs	Method	GENSCAN
Start	116	End	2853
GI	none	Score	.5
Exons	116..582, 765..2646, 2737..2853		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92144	Strand	+
Start	9843	End	10896
Name	OJ000350_36.0314.C10.o4.gs	Method	GENSCAN
Start	9843	End	10896
GI	none	Score	.84
Exons	9843..10217, 10287..10448, 10777..10896		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92145	Strand	+
Start	12717	End	17036
Name	OJ000350_36.0314.C10.o2.gp	Method	AAT/GAP
Start	11300	End	11684
GI	uC-osflcyp033a04b1	Score	682

Exons	11300..11684		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92145	Strand	+
Start	12717	End	17036
Name	OJ000350_36.0314.C10.o3.np	Method	AAT/NAP
Start	12345	End	17036
GI	4680179	Score	4458
Exons	12345..12610, 12731..13551, 13654..17036		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92145	Strand	+
Start	12717	End	17036
Name	OJ000350_36.0314.C10.o5.gs	Method	GENSCAN
Start	12717	End	15055
GI	none	Score	.68
Exons	12717..13740, 14016..15055		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92145	Strand	+
Start	12717	End	17036
Name	OJ000350_36.0314.C10.o6.gs	Method	GENSCAN
Start	15194	End	16926
GI	none	Score	.49
Exons	15194..16212, 16227..16926		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92146	Strand	-
Start	3472	End	7124
Name	OJ000350_36.0314.C10.o2.gs	Method	GENSCAN
Start	3472	End	7124
GI	none	Score	.83
Exons	3472..4536, 4594..5340, 5806..6724, 6895..7010, 7065..7124		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92146	Strand	-
Start	3472	End	7124
Name	OJ000350_36.0314.C10.o2.np	Method	AAT/NAP
Start	3475	End	6705
GI	6907089	Score	4248
Exons	3475..5340, 5444..6705		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o10.tw	Method	TBLASTX:Wheat
Start	229	End	439
GI	none	Score	193
Exons	229..438, 269..439		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632

Name	OJ000350_36.0314.C10.o4.ts	Method	TBLASTX:Soybean
Start	266	End	14545
GI	none	Score	107
Exons	266..481, 488..622, 14411..14545		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o3.tm	Method	TBLASTX:Maize
Start	434	End	14770
GI	none	Score	118
Exons	434..658, 655..846, 14303..14770, 14374..14733		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o4.tw	Method	TBLASTX:Wheat
Start	443	End	14716
GI	none	Score	144
Exons	443..658, 655..735, 14233..14688, 14234..14716		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o1.ts	Method	TBLASTX:Soybean
Start	757	End	15052
GI	none	Score	145
Exons	757..1128, 14657..14689, 14674..14769, 14693..15052, 14699..15001, 14809..15024		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o5.tw	Method	TBLASTX:Wheat
Start	786	End	15061
GI	none	Score	491
Exons	786..1181, 787..1206, 14717..15061		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o6.tm	Method	TBLASTX:Maize
Start	865	End	15133
GI	none	Score	190
Exons	865..1209, 14786..15133		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o9.tw	Method	TBLASTX:Wheat
Start	1228	End	1527
GI	none	Score	218
Exons	1228..1527, 1228..1416		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632

Name	OJ000350_36.0314.C10.o5.tm	Method	TBLASTX:Maize
Start	1720	End	2052
GI	none	Score	365
Exons	1720..2043, 1749..2030, 1840..2052		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o3.tw	Method	TBLASTX:Wheat
Start	1873	End	16060
GI	none	Score	57
Exons	1873..1989, 2007..2039, 15536..16060, 15688..16056		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o2.tw	Method	TBLASTX:Wheat
Start	2155	End	16659
GI	none	Score	103
Exons	2155..2313, 16067..16216, 16162..16218, 16216..16659, 16221..16535		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o10.tm	Method	TBLASTX:Maize
Start	2710	End	2853
GI	none	Score	184
Exons	2710..2853, 2715..2849		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o8.tw	Method	TBLASTX:Wheat
Start	8315	End	14044
GI	none	Score	81
Exons	8315..8461, 8316..8417, 8408..8461, 13688..13843, 13689..13910, 13919..14044, 13923..14039		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o8.tm	Method	TBLASTX:Maize
Start	8318	End	14008
GI	none	Score	69
Exons	8318..8467, 8327..8464, 8352..8468, 13682..13795, 13683..14006, 13689..13823, 13925..14008		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o7.tm	Method	TBLASTX:Maize
Start	8712	End	13373
GI	none	Score	238
Exons	8712..8750, 8849..9178, 12972..13373		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10

Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o7.tw	Method	TBLASTX:Wheat
Start	9059	End	13091
GI	none	Score	264
Exons	9059..9202, 12714..13091, 12731..12832		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o9.tm	Method	TBLASTX:Maize
Start	14105	End	14302
GI	none	Score	196
Exons	14105..14302, 14155..14301		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o1.tw	Method	TBLASTX:Wheat
Start	15067	End	15493
GI	none	Score	606
Exons	15067..15456, 15068..15493, 15125..15478, 15129..15491		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o3.ts	Method	TBLASTX:Soybean
Start	15074	End	15319
GI	none	Score	208
Exons	15074..15319		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o2.tm	Method	TBLASTX:Maize
Start	15140	End	15493
GI	none	Score	468
Exons	15140..15493, 15160..15441, 15216..15488		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o1.tc	Method	TBLASTX:Cress
Start	15767	End	16084
GI	none	Score	101
Exons	15767..15940, 15788..15886, 15941..16084, 15943..16068		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o2.ts	Method	TBLASTX:Soybean
Start	15853	End	16108
GI	none	Score	302
Exons	15853..16098, 15860..16108, 15980..16108		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-

Start	17234	End	17632
Name	OJ000350_36.0314.C10.o4.tm	Method	TBLASTX:Maize
Start	15906	End	16198
GI	none	Score	85
Exons	15906..16058, 15908..16198, 15919..16098, 16150..16194		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o1.tm	Method	TBLASTX:Maize
Start	16215	End	16809
GI	none	Score	88
Exons	16215..16364, 16216..16374, 16221..16367, 16371..16430, 16371..16514, 16372..16809, 16534..16608, 16590..16667, 16714..16809		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o6.tw	Method	TBLASTX:Wheat
Start	16660	End	16992
GI	none	Score	356
Exons	16660..16992, 16702..16971		

Seq. No.	43867	Seq. ID	OJ000350_36.0314.C10
Gene No.	92147	Strand	-
Start	17234	End	17632
Name	OJ000350_36.0314.C10.o4.np	Method	AAT/NAP
Start	17234	End	17632
GI	6983857	Score	212
Exons	17234..17632		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92148	Strand	+
Start	316	End	465
Name	OJ000350_36.0314.C11.o1.gs	Method	GENSCAN
Start	316	End	465
GI	none	Score	.77
Exons	316..465		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92149	Strand	+
Start	3995	End	4721
Name	OJ000350_36.0314.C11.o3.np	Method	AAT/NAP
Start	3995	End	4721
GI	6907088	Score	345
Exons	3995..4132, 4308..4456, 4687..4721		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92150	Strand	-
Start	1	End	923
Name	OJ000350_36.0314.C11.o1.np	Method	AAT/NAP
Start	1	End	923
GI	6983860	Score	186
Exons	1..45, 154..514, 859..923		

GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92151	Strand	-
Start	2135	End	2893
Name	OJ000350_36.0314.C11.o2.np	Method	AAT/NAP
Start	2135	End	2893
GI	6002794	Score	1110
Exons	2135..2893		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92152	Strand	-
Start	3187	End	4218
Name	OJ000350_36.0314.C11.o1.tw	Method	TBLASTX:Wheat
Start	205	End	410
GI	none	Score	51
Exons	205..378, 209..280, 348..410		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92152	Strand	-
Start	3187	End	4218
Name	OJ000350_36.0314.C11.o1.gp	Method	AAT/GAP
Start	3187	End	3684
GI	38782_1.R1084	Score	749
Exons	3187..3684		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	43868	Seq. ID	OJ000350_36.0314.C11
Gene No.	92152	Strand	-
Start	3187	End	4218
Name	OJ000350_36.0314.C11.o3.gs	Method	GENSCAN
Start	3474	End	4218
GI	none	Score	.66
Exons	3474..3547, 4152..4218		

Seq. No.	43869	Seq. ID	OJ000350_31.0315.C1
Gene No.	92153	Strand	+
Start	184	End	1018
Name	OJ000350_31.0315.C1.o1.np	Method	AAT/NAP
Start	184	End	1018
GI	6907088	Score	420
Exons	184..321, 497..735, 950..1018		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92154	Strand	+
Start	3986	End	5582
Name	OJ000350_31.0315.C2.o2.gp	Method	AAT/GAP
Start	3465	End	3656
GI	5667165	Score	364
Exons	3465..3656		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92154	Strand	+
Start	3986	End	5582
Name	OJ000350_31.0315.C2.o4.np	Method	AAT/NAP
Start	3739	End	5582
GI	6907086	Score	1489
Exons	3739..4519, 4579..4826, 5051..5098, 5212..5582		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92154	Strand	+
Start	3986	End	5582
Name	OJ000350_31.0315.C2.o2.gs	Method	GENSCAN
Start	3986	End	4525
GI	none	Score	.9
Exons	3986..4525		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92155	Strand	-
Start	1	End	2430
Name	OJ000350_31.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	1366
GI	6983857	Score	930
Exons	1..456, 624..1194, 1258..1366		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92155	Strand	-
Start	1	End	2430
Name	OJ000350_31.0315.C2.o2.np	Method	AAT/NAP
Start	1	End	1343
GI	6907086	Score	875
Exons	1..130, 357..516, 577..1343		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92155	Strand	-
Start	1	End	2430
Name	OJ000350_31.0315.C2.o1.gs	Method	GENSCAN
Start	602	End	1148
GI	none	Score	.58
Exons	602..753, 761..1148		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92155	Strand	-
Start	1	End	2430
Name	OJ000350_31.0315.C2.o3.np	Method	AAT/NAP
Start	996	End	2430
GI	6907088	Score	984
Exons	996..1383, 1880..2117, 2293..2430		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92155	Strand	-
Start	1	End	2430
Name	OJ000350_31.0315.C2.o1.gp	Method	AAT/GAP
Start	1429	End	1619

GI	5667165	Score	351
Exons	1429..1619		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92156	Strand	-
Start	7750	End	14613
Name	OJ000350_31.0315.C2.o3.gs	Method	GENSCAN
Start	7750	End	14496
GI	none	Score	.6
Exons	7750..7899, 8226..8330, 8434..8507, 8646..8758, 9235..9385, 11470..11548, 11831..12082, 13579..13725, 13939..14263, 14405..14496		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92156	Strand	-
Start	7750	End	14613
Name	OJ000350_31.0315.C2.o3.gp	Method	AAT/GAP
Start	10460	End	11328
GI	74261_1.R1084	Score	1119
Exons	10460..10863, 10988..11115, 11248..11328		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92156	Strand	-
Start	7750	End	14613
Name	OJ000350_31.0315.C2.o5.np	Method	AAT/NAP
Start	10773	End	12010
GI	6635860	Score	422
Exons	10773..10863, 10988..11115, 11248..11354, 11470..11568, 11676..11743, 11831..12010		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92156	Strand	-
Start	7750	End	14613
Name	OJ000350_31.0315.C2.o4.gp	Method	AAT/GAP
Start	11643	End	12040
GI	2280966	Score	571
Exons	11643..11743, 11831..12040		
GI Descrip.	2244889/emb\|CAB10310.1\| 1.0e-08 (Z97338) cytochrome P450 like protein [Arabidopsis thaliana]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92156	Strand	-
Start	7750	End	14613
Name	OJ000350_31.0315.C2.o6.np	Method	AAT/NAP
Start	11863	End	14613
GI	4836883	Score	349
Exons	11863..12234, 13935..14263, 14405..14613		
GI Descrip.	(AC007260) lcl\|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92157	Strand	-

Start	16129	End	16907
Name	OJ000350_31.0315.C2.o1.tc	Method	TBLASTX:Cress
Start	10984	End	14592
GI	none	Score	77
Exons	10984..11091, 11000..11083, 11251..11283, 11251..11355, 11300..11359, 11468..11548, 11645..11764, 11831..12019, 13936..14283, 14111..14272, 14404..14592, 14456..14539		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92157	Strand	-
Start	16129	End	16907
Name	OJ000350_31.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	11248	End	11764
GI	none	Score	91
Exons	11248..11355, 11468..11551, 11648..11764		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92157	Strand	-
Start	16129	End	16907
Name	OJ000350_31.0315.C2.o7.np	Method	AAT/NAP
Start	15130	End	16907
GI	6907086	Score	1592
Exons	15130..15463, 15560..15619, 15849..16091, 16149..16907		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43870	Seq. ID	OJ000350_31.0315.C2
Gene No.	92157	Strand	-
Start	16129	End	16907
Name	OJ000350_31.0315.C2.o4.gs	Method	GENSCAN
Start	16129	End	16749
GI	none	Score	.64
Exons	16129..16749		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92158	Strand	+
Start	27	End	646
Name	OJ000350_31.0315.C3.o1.gs	Method	GENSCAN
Start	27	End	646
GI	none	Score	.59
Exons	27..81, 573..646		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92159	Strand	+
Start	2872	End	3121
Name	OJ000350_31.0315.C3.o2.gs	Method	GENSCAN
Start	2872	End	3121
GI	none	Score	.79
Exons	2872..2889, 3014..3121		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92160	Strand	-
Start	1	End	95
Name	OJ000350_31.0315.C3.o1.np	Method	AAT/NAP
Start	1	End	95
GI	6907088	Score	137
Exons	1..95		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92161	Strand	-
Start	4419	End	11553
Name	OJ000350_31.0315.C3.o2.np	Method	AAT/NAP
Start	4419	End	8277
GI	6635860	Score	501
Exons	4419..4509, 4694..4824, 5174..5277, 7639..7717, 8012..8277		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92161	Strand	-
Start	4419	End	11553
Name	OJ000350_31.0315.C3.o3.gs	Method	GENSCAN
Start	4419	End	11553
GI	none	Score	.74
Exons	4419..4509, 4694..4874, 7639..7717, 7904..7999, 8098..8342, 8460..8606, 8698..9044, 9105..9399, 10381..10501, 10503..10666, 11268..11553		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92161	Strand	-
Start	4419	End	11553
Name	OJ000350_31.0315.C3.o1.tc	Method	TBLASTX:Cress
Start	4696	End	9253
GI	none	Score	102
Exons	4696..4803, 4700..4816, 5171..5284, 5175..5282, 7637..7717, 8684..9028, 8808..9026, 9101..9253, 9102..9239		

Seq. No.	43871	Seq. ID	OJ000350_31.0315.C3
Gene No.	92161	Strand	-
Start	4419	End	11553
Name	OJ000350_31.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	8828	End	9214
GI	none	Score	135
Exons	8828..9028, 8829..9026, 9128..9214, 9165..9212		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92162	Strand	-
Start	799	End	4305
Name	OJ000350_31.0315.C4.o1.gp	Method	AAT/GAP
Start	799	End	1931
GI	52869_1.R1084	Score	1530
Exons	799..1260, 1470..1547, 1679..1931		
GI Descrip.	'5734619/dbj\|BAA83350.1\| 7.0e-76 (AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]'		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92162	Strand	-
Start	799	End	4305
Name	OJ000350_31.0315.C4.o1.np	Method	AAT/NAP
Start	1031	End	4250
GI	4325339	Score	1954
Exons	1031..1260, 1470..1547, 1679..2071, 2166..2469, 2554..2764, 3519..3985, 4025..4250		
GI Descrip.	(AF128392) F15P23.1 gene product [Arabidopsis thaliana] gi\|7267414\|emb\|CAB80884.1\| (AL161472) hypothetical protein		

[Arabidopsis thaliana]

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92162	Strand	-
Start	799	End	4305
Name	OJ000350_31.0315.C4.o1.gs	Method	GENSCAN
Start	1038	End	4250
GI	none	Score	.55
Exons	1038..1260, 1470..1547, 1679..2106, 2279..2469, 2554..2764, 3519..4250		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92162	Strand	-
Start	799	End	4305
Name	OJ000350_31.0315.C4.o2.gp	Method	AAT/GAP
Start	3792	End	4305
GI	uC-osroM202023h05b1	Score	1024
Exons	3792..4305		
GI Descrip.	'4325339/gb\|AAD17339\| 2.0e-14 (AF128392) No definition line found [Arabidopsis thaliana]'		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	955	End	2629
GI	none	Score	61
Exons	955..1008, 955..1008, 986..1264, 1020..1262, 1109..1270, 1467..1547, 1469..1546, 1471..1548, 1477..1566, 1487..1555, 1673..2056, 1675..2073, 1678..2070, 2160..2285, 2163..2285, 2165..2287, 2286..2471, 2291..2470, 2553..2621, 2555..2629, 2556..2624		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o2.tc	Method	TBLASTX:Cress
Start	1047	End	1737
GI	none	Score	81
Exons	1047..1259, 1475..1546, 1678..1737		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o1.ts	Method	TBLASTX:Soybean
Start	1062	End	3920
GI	none	Score	95
Exons	1062..1247, 1062..1262, 1408..1479, 1467..1547, 1469..1546, 1678..1728, 1729..1839, 1748..1837, 1849..2079, 1871..2053, 2228..2281, 2286..2471, 2292..2423, 2294..2470, 2564..2764, 2568..2816, 3516..3920, 3517..3906		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o2.tw	Method	TBLASTX:Wheat
Start	1194	End	2004

GI	none	Score	140
Exons	1194..1268, 1469..1546, 1673..1843, 1677..1838, 1678..1869, 1859..1987, 1864..2004		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o1.tc	Method	TBLASTX:Cress
Start	1795	End	3920
GI	none	Score	35
Exons	1795..1842, 1795..1842, 1799..1864, 1858..2079, 1859..2056, 1927..2079, 2225..2281, 2286..2471, 2294..2470, 2299..2478, 2396..2479, 2564..2719, 2564..2764, 2568..2765, 2584..2766, 3516..3920, 3517..3882		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o3.tw	Method	TBLASTX:Wheat
Start	2005	End	2477
GI	none	Score	157
Exons	2005..2079, 2280..2426, 2282..2470, 2286..2477		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o4.tw	Method	TBLASTX:Wheat
Start	2595	End	3699
GI	none	Score	124
Exons	2595..2786, 2597..2797, 2597..2764, 2655..2786, 3516..3698, 3517..3699		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o5.tm	Method	TBLASTX:Maize
Start	2630	End	3569
GI	none	Score	128
Exons	2630..2764, 2637..2786, 2658..2786, 3516..3569		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o2.tm	Method	TBLASTX:Maize
Start	3570	End	3903
GI	none	Score	391
Exons	3570..3902, 3574..3903		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o3.tm	Method	TBLASTX:Maize
Start	7620	End	8377
GI	none	Score	90
Exons	7620..7646, 7631..7723, 7742..8326, 8001..8189, 8213..8284, 8333..8377		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o2.np	Method	AAT/NAP
Start	7760	End	8565
GI	3810596	Score	479
Exons	7760..8565		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	7955	End	8290
GI	none	Score	88
Exons	7955..8290, 8001..8189, 8102..8287		

Seq. No.	43872	Seq. ID	OJ000350_31.0315.C4
Gene No.	92163	Strand	-
Start	7760	End	8567
Name	OJ000350_31.0315.C4.o4.tm	Method	TBLASTX:Maize
Start	8379	End	8567
GI	none	Score	132
Exons	8379..8564, 8380..8559, 8400..8567		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o1.np	Method	AAT/NAP
Start	1	End	3837
GI	6466937	Score	1730
Exons	1..49, 457..3837		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o3.tm	Method	TBLASTX:Maize
Start	457	End	891
GI	none	Score	258
Exons	457..891, 458..823		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o1.ts	Method	TBLASTX:Soybean
Start	483	End	855
GI	none	Score	153
Exons	483..749, 484..750, 484..855, 488..775		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o3.tw	Method	TBLASTX:Wheat
Start	727	End	4205

GI	none	Score	149
Exons	727..1110, 731..988, 4086..4205		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o4.tm	Method	TBLASTX:Maize
Start	892	End	1294
GI	none	Score	106
Exons	892..1122, 1123..1293, 1148..1294		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	1295	End	1836
GI	none	Score	268
Exons	1295..1783, 1318..1812, 1318..1836		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o4.ts	Method	TBLASTX:Soybean
Start	1303	End	1560
GI	none	Score	68
Exons	1303..1560, 1409..1543		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	1468	End	1869
GI	none	Score	159
Exons	1468..1869, 1502..1834, 1528..1836		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o2.ts	Method	TBLASTX:Soybean
Start	1582	End	1941
GI	none	Score	82
Exons	1582..1941, 1592..1822		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o2.tm	Method	TBLASTX:Maize
Start	1864	End	2348
GI	none	Score	97
Exons	1864..2337, 1867..2013, 1892..2296, 2077..2337, 2190..2348		

Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o2.tw	Method	TBLASTX:Wheat
Start	1918	End	2400
GI	none	Score	173

Exons	1918..2400, 1922..2296		
Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o3.ts	Method	TBLASTX:Soybean
Start	2050	End	2385
GI	none	Score	212
Exons	2050..2385		
Seq. No.	43873	Seq. ID	OJ000350_31.0315.C5
Gene No.	92164	Strand	-
Start	1	End	4205
Name	OJ000350_31.0315.C5.o5.tm	Method	TBLASTX:Maize
Start	2638	End	2940
GI	none	Score	58
Exons	2638..2940, 2659..2730		
Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92165	Strand	+
Start	2713	End	4933
Name	OJ000350_31.0315.C6.o2.np	Method	AAT/NAP
Start	2713	End	4933
GI	7523490	Score	144
Exons	2713..2772, 4131..4241, 4700..4933		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92166	Strand	+
Start	5669	End	10076
Name	OJ000350_31.0315.C6.o2.gs	Method	GENSCAN
Start	5669	End	9950
GI	none	Score	.57
Exons	5669..5794, 6462..6611, 6685..6741, 7108..7257, 7778..8009, 8109..8266, 8539..8663, 8948..9056, 9930..9950		
Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92166	Strand	+
Start	5669	End	10076
Name	OJ000350_31.0315.C6.o3.np	Method	AAT/NAP
Start	6506	End	10076
GI	3461824	Score	93
Exons	6506..6560, 8908..9056, 10020..10076		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92167	Strand	-
Start	3913	End	8035
Name	OJ000350_31.0315.C6.o1.np	Method	AAT/NAP
Start	3913	End	8035
GI	7523490	Score	133
Exons	3913..4103, 4473..4710, 7953..8035		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92168	Strand	-
Start	11358	End	12666

Name	OJ000350_31.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	7108	End	8173
GI	none	Score	126
Exons	7108..7221, 7108..7257, 7142..7258, 7771..7893, 7773..7907, 7775..7918, 7878..7994, 7907..7996, 8097..8171, 8108..8173		

Seq. No.	43874	Seq. ID	OJ000350_31.0315.C6
Gene No.	92168	Strand	-
Start	11358	End	12666
Name	OJ000350_31.0315.C6.o3.gs	Method	GENSCAN
Start	11358	End	12666
GI	none	Score	.79
Exons	11358..11470, 11910..12050, 12519..12666		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92169	Strand	+
Start	935	End	3418
Name	OJ000350_31.0315.C7.o1.np	Method	AAT/NAP
Start	935	End	3409
GI	6598841	Score	670
Exons	935..1193, 1245..1309, 1808..1925, 2992..3409		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92169	Strand	+
Start	935	End	3418
Name	OJ000350_31.0315.C7.o1.gs	Method	GENSCAN
Start	941	End	3418
GI	none	Score	.61
Exons	941..1309, 3098..3418		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92169	Strand	+
Start	935	End	3418
Name	OJ000350_31.0315.C7.o1.gp	Method	AAT/GAP
Start	979	End	1351
GI	none	Score	579
Exons	979..1351		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o1.tw	Method	TBLASTX:Wheat
Start	940	End	1908
GI	none	Score	197
Exons	940..1125, 995..1159, 1001..1129, 1256..1309, 1609..1746, 1822..1908, 1827..1901		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o2.tm	Method	TBLASTX:Maize
Start	976	End	1159
GI	none	Score	290
Exons	976..1128, 992..1159, 992..1129		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7

Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o1.ts	Method	TBLASTX:Soybean
Start	989	End	3337
GI	none	Score	183
Exons	989..1159, 1241..1309, 1827..1925, 1831..1929, 2986..3198, 2989..3333, 2990..3337		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o2.tc	Method	TBLASTX:Cress
Start	1007	End	1309
GI	none	Score	186
Exons	1007..1156, 1247..1309		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	1253	End	3385
GI	none	Score	72
Exons	1253..1309, 1822..1929, 1827..1925, 2930..3385, 2937..3128, 2980..3129, 2990..3172, 3154..3384		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o1.tc	Method	TBLASTX:Cress
Start	1831	End	3381
GI	none	Score	127
Exons	1831..1929, 2990..3286, 3001..3285, 3272..3379, 3292..3381, 3292..3381		

Seq. No.	43875	Seq. ID	OJ000350_31.0315.C7
Gene No.	92170	Strand	-
Start	4399	End	7046
Name	OJ000350_31.0315.C7.o2.gs	Method	GENSCAN
Start	4399	End	7046
GI	none	Score	.65
Exons	4399..4563, 5816..6222, 6902..7046		

Seq. No.	43876	Seq. ID	OJ000350_31.0315.C8
Gene No.	92171	Strand	+
Start	3070	End	4528
Name	OJ000350_31.0315.C8.o1.gs	Method	GENSCAN
Start	3070	End	4528
GI	none	Score	.74
Exons	3070..3588, 4280..4528		

Seq. No.	43876	Seq. ID	OJ000350_31.0315.C8
Gene No.	92172	Strand	+
Start	5541	End	5659
Name	OJ000350_31.0315.C8.o1.gp	Method	AAT/GAP
Start	5541	End	5659
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	5541..5659		

GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	43877	Seq. ID	OJ000350_31.0315.C9
Gene No.	92173	Strand	+
Start	1365	End	1462
Name	OJ000350_31.0315.C9.o1.gp	Method	AAT/GAP
Start	1365	End	1462
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	1365..1462		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	43877	Seq. ID	OJ000350_31.0315.C9
Gene No.	92174	Strand	-
Start	339	End	542
Name	OJ000350_31.0315.C9.o1.gs	Method	GENSCAN
Start	339	End	542
GI	none	Score	.64
Exons	339..542		
Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92175	Strand	+
Start	4615	End	6410
Name	OJ000350_31.0315.C10.o1.np	Method	AAT/NAP
Start	4615	End	6410
GI	7486574	Score	1396
Exons	4615..4689, 4977..6410		
GI Descrip.	hypothetical protein F7H19.220 - Arabidopsis thaliana gi\|3292829\|emb\|CAA19819.1\| (AL031018) putative protein [Arabidopsis thaliana] gi\|7269150\|emb\|CAB79258.1\| (AL161558) putative protein [Arabidopsis thaliana]		
Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92175	Strand	+
Start	4615	End	6410
Name	OJ000350_31.0315.C10.o2.gp	Method	AAT/GAP
Start	5456	End	5746
GI	LIB3431-047-P1-K1-H5	Score	508
Exons	5456..5746		
GI Descrip.	'3292829/emb\|CAA19819.1\| 5.0e-14 (AL031018) putative protein [Arabidopsis thaliana]'		
Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92176	Strand	-
Start	4778	End	5273
Name	OJ000350_31.0315.C10.o1.gp	Method	AAT/GAP
Start	4778	End	5273
GI	5038876	Score	947
Exons	4778..5273		
GI Descrip.	3292829/emb\|CAA19819.1\| 2.0e-12 (AL031018) putative protein [Arabidopsis thaliana]		
Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-

Start	11710	End	16301
Name	OJ000350_31.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	4979	End	6242
GI	none	Score	85
Exons	4979..5077, 4986..5075, 5049..5264, 5132..5884, 5138..5251, 5139..5504, 5661..5897, 5870..5923, 5972..6238, 5976..6242		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o2.tc	Method	TBLASTX:Cress
Start	4983	End	5492
GI	none	Score	240
Exons	4983..5492		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o4.tm	Method	TBLASTX:Maize
Start	5151	End	5483
GI	none	Score	194
Exons	5151..5483		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o2.tm	Method	TBLASTX:Maize
Start	5483	End	5743
GI	none	Score	46
Exons	5483..5503, 5483..5704, 5595..5705, 5666..5743, 5706..5741		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	5642	End	5900
GI	none	Score	198
Exons	5642..5899, 5643..5900		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o1.tc	Method	TBLASTX:Cress
Start	5664	End	6317
GI	none	Score	186
Exons	5664..5909, 5702..5899, 5976..6317, 5996..6226		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o3.tm	Method	TBLASTX:Maize
Start	5787	End	6215
GI	none	Score	118
Exons	5787..5912, 5822..6214, 5976..6056, 6093..6215		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-

Start	11710	End	16301
Name	OJ000350_31.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	6216	End	6619
GI	none	Score	174
Exons	6216..6353, 6221..6325, 6330..6437, 6343..6456, 6352..6438, 6544..6585, 6545..6619		

Seq. No.	43878	Seq. ID	OJ000350_31.0315.C10
Gene No.	92177	Strand	-
Start	11710	End	16301
Name	OJ000350_31.0315.C10.o2.gs	Method	GENSCAN
Start	11710	End	16301
GI	none	Score	.56
Exons	11710..11840, 11918..12062, 12248..12372, 16093..16301		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92178	Strand	+
Start	4271	End	6370
Name	OJ000350_31.0315.C11.o3.gs	Method	GENSCAN
Start	4271	End	6285
GI	none	Score	.74
Exons	4271..4338, 4461..4617, 5501..5598, 6222..6285		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92178	Strand	+
Start	4271	End	6370
Name	OJ000350_31.0315.C11.o2.np	Method	AAT/NAP
Start	6133	End	6370
GI	6850846	Score	133
Exons	6133..6370		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92179	Strand	-
Start	1284	End	2894
Name	OJ000350_31.0315.C11.o1.np	Method	AAT/NAP
Start	1284	End	2894
GI	7228438	Score	179
Exons	1284..1313, 2559..2894		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92179	Strand	-
Start	1284	End	2894
Name	OJ000350_31.0315.C11.o1.gp	Method	AAT/GAP
Start	1672	End	1727
GI	LIB3431-030-P1-N1-G8	Score	86
Exons	1672..1727		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92180	Strand	-
Start	7742	End	7897
Name	OJ000350_31.0315.C11.o1.tm	Method	TBLASTX:Maize

Start	6128	End	6328
GI	none	Score	186
Exons	6128..6328		

Seq. No.	43879	Seq. ID	OJ000350_31.0315.C11
Gene No.	92180	Strand	-
Start	7742	End	7897
Name	OJ000350_31.0315.C11.o4.gs	Method	GENSCAN
Start	7742	End	7897
GI	none	Score	.95
Exons	7742..7897		

Seq. No.	43880	Seq. ID	OJ000350_31.0315.C12
Gene No.	92181	Strand	-
Start	96	End	223
Name	OJ000350_31.0315.C12.o1.gs	Method	GENSCAN
Start	96	End	223
GI	none	Score	.55
Exons	96..223		

Seq. No.	43881	Seq. ID	OJ000350_31.0315.C13
Gene No.	92182	Strand	+
Start	109	End	236
Name	OJ000350_31.0315.C13.o1.gs	Method	GENSCAN
Start	109	End	236
GI	none	Score	.66
Exons	109..236		

Seq. No.	43881	Seq. ID	OJ000350_31.0315.C13
Gene No.	92183	Strand	+
Start	469	End	1518
Name	OJ000350_31.0315.C13.o1.np	Method	AAT/NAP
Start	469	End	1518
GI	5922623	Score	185
Exons	469..540, 1087..1241, 1415..1518		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43882	Seq. ID	OJ000350_31.0315.C16
Gene No.	92184	Strand	-
Start	904	End	1860
Name	OJ000350_31.0315.C16.o1.gs	Method	GENSCAN
Start	904	End	1860
GI	none	Score	.5
Exons	904..1126, 1537..1860		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92185	Strand	+
Start	10570	End	11401
Name	OJ000350_31.0315.C17.o3.gs	Method	GENSCAN
Start	10570	End	11401
GI	none	Score	.78
Exons	10570..10644, 10780..10905, 11378..11401		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92186	Strand	+

Start	13960	End	15856
Name	OJ000350_31.0315.C17.o5.gs	Method	GENSCAN
Start	13960	End	15856
GI	none	Score	.76
Exons	13960..14102, 14609..14806, 15336..15437, 15751..15856		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92187	Strand	-
Start	5564	End	6223
Name	OJ000350_31.0315.C17.o2.gs	Method	GENSCAN
Start	5564	End	6223
GI	none	Score	.91
Exons	5564..6223		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92187	Strand	-
Start	5564	End	6223
Name	OJ000350_31.0315.C17.o1.np	Method	AAT/NAP
Start	5567	End	6166
GI	6983877	Score	404
Exons	5567..6166		
GI Descrip.	(AP001168) Similar to mRNA for DREB1A (AB007787) [Oryza sativa]		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92188	Strand	-
Start	12565	End	13440
Name	OJ000350_31.0315.C17.o4.gs	Method	GENSCAN
Start	12565	End	13440
GI	none	Score	.97
Exons	12565..13203, 13366..13440		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92188	Strand	-
Start	12565	End	13440
Name	OJ000350_31.0315.C17.o2.np	Method	AAT/NAP
Start	12577	End	13150
GI	6598845	Score	346
Exons	12577..12806, 12882..13150		
GI Descrip.	(AC010795) putative AP-2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o1.tc	Method	TBLASTX:Cress
Start	5870	End	13146
GI	none	Score	184
Exons	5870..6148, 5871..6119, 12655..12726, 12964..13122, 13111..13146		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	5870	End	13146
GI	none	Score	170
Exons	5870..6148, 5871..6119, 12964..13122, 13009..13122, 13111..13146		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	5906	End	13146
GI	none	Score	80
Exons	5906..6040, 5966..6052, 6041..6151, 6054..6176, 12976..13104, 12991..13122, 13114..13146		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o2.tm	Method	TBLASTX:Maize
Start	12563	End	12729
GI	none	Score	113
Exons	12563..12718, 12563..12718, 12565..12729, 12655..12723		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o3.np	Method	AAT/NAP
Start	16701	End	20244
GI	7340881	Score	463
Exons	16701..17110, 18081..18183, 18289..18406, 19841..20113, 20200..20244		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o6.gs	Method	GENSCAN
Start	16984	End	17769
GI	none	Score	.43
Exons	16984..17086, 17345..17769		

Seq. No.	43883	Seq. ID	OJ000350_31.0315.C17
Gene No.	92189	Strand	-
Start	16984	End	20244
Name	OJ000350_31.0315.C17.o7.gs	Method	GENSCAN
Start	19759	End	20153
GI	none	Score	.85
Exons	19759..20153		

Seq. No.	43884	Seq. ID	OJ000350_31.0315.C18
Gene No.	92190	Strand	-
Start	633	End	993
Name	OJ000350_31.0315.C18.o1.np	Method	AAT/NAP
Start	633	End	993
GI	103076	Score	121
Exons	633..843, 885..993		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	43885	Seq. ID	OJ000350_31.0315.C20
Gene No.	92191	Strand	+
Start	816	End	1139
Name	OJ000350_31.0315.C20.o1.gs	Method	GENSCAN

Start	816	End	1139
GI	none	Score	.82
Exons	816..1139		

Seq. No.	43886	Seq. ID	OJ000350_31.0315.C21
Gene No.	92192	Strand	+
Start	264	End	543
Name	OJ000350_31.0315.C21.o1.np	Method	AAT/NAP
Start	264	End	543
GI	6539588	Score	166
Exons	264..543		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43886	Seq. ID	OJ000350_31.0315.C21
Gene No.	92192	Strand	+
Start	264	End	543
Name	OJ000350_31.0315.C21.o1.gs	Method	GENSCAN
Start	385	End	464
GI	none	Score	.52
Exons	385..464		

Seq. No.	43887	Seq. ID	OJ000350_30.0314.C6
Gene No.	92193	Strand	+
Start	1964	End	3272
Name	OJ000350_30.0314.C6.o1.np	Method	AAT/NAP
Start	1964	End	3272
GI	5777617	Score	92
Exons	1964..2007, 3167..3272		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	43887	Seq. ID	OJ000350_30.0314.C6
Gene No.	92194	Strand	+
Start	3660	End	3971
Name	OJ000350_30.0314.C6.o2.gs	Method	GENSCAN
Start	3660	End	3971
GI	none	Score	.94
Exons	3660..3846, 3937..3971		

Seq. No.	43887	Seq. ID	OJ000350_30.0314.C6
Gene No.	92195	Strand	-
Start	743	End	2878
Name	OJ000350_30.0314.C6.o1.gs	Method	GENSCAN
Start	743	End	2878
GI	none	Score	.78
Exons	743..819, 1023..1116, 1278..1427, 2798..2878		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.np	Method	AAT/NAP
Start	1	End	2546
GI	5882743	Score	1273
Exons	1..285, 418..653, 758..1045, 1124..1252, 1377..1550, 2151..2258, 2340..2546		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.gs	Method	GENSCAN
Start	378	End	5068
GI	none	Score	.81
Exons	378..653, 758..1045, 1124..1252, 1377..1550, 2151..2258, 2340..2530, 2633..2720, 4964..5068		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.ts	Method	TBLASTX:Soybean
Start	417	End	840
GI	none	Score	306
Exons	417..653, 419..652, 519..668, 541..669, 751..840, 758..838		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o2.tc	Method	TBLASTX:Cress
Start	435	End	796
GI	none	Score	279
Exons	435..653, 436..471, 500..652, 541..654, 559..654, 770..796		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.tw	Method	TBLASTX:Wheat
Start	486	End	910
GI	none	Score	41
Exons	486..539, 519..653, 520..654, 545..652, 751..909, 758..910		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.tm	Method	TBLASTX:Maize
Start	495	End	2365
GI	none	Score	195
Exons	495..650, 500..649, 751..993, 758..994, 764..994, 1003..1041, 1007..1045, 1120..1254, 1124..1264, 1136..1252, 1171..1254, 1377..1550, 1391..1444, 1398..1550, 2148..2261, 2150..2251, 2342..2365, 2344..2364		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o3.ts	Method	TBLASTX:Soybean
Start	841	End	1045
GI	none	Score	202
Exons	841..993, 842..1000, 1007..1045		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o1.tc	Method	TBLASTX:Cress
Start	1007	End	2243

GI	none	Score	47
Exons	1007..1045, 1009..1065, 1119..1253, 1124..1258, 1160..1255, 1376..1552, 1377..1550, 1377..1553, 2145..2243		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o2.ts	Method	TBLASTX:Soybean
Start	1389	End	2561
GI	none	Score	191
Exons	1389..1550, 1398..1550, 2144..2233, 2145..2261, 2336..2551, 2337..2561, 2339..2560		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o2.tm	Method	TBLASTX:Maize
Start	2325	End	2582
GI	none	Score	199
Exons	2325..2486, 2366..2488, 2366..2488, 2367..2489, 2480..2551, 2489..2548, 2490..2582		

Seq. No.	43888	Seq. ID	OJ000350_30.0314.C8
Gene No.	92196	Strand	+
Start	1	End	5068
Name	OJ000350_30.0314.C8.o3.tc	Method	TBLASTX:Cress
Start	2330	End	2551
GI	none	Score	95
Exons	2330..2395, 2337..2396, 2391..2516, 2402..2515, 2519..2551		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92197	Strand	+
Start	21	End	928
Name	OJ000350_30.0314.C9.o1.gs	Method	GENSCAN
Start	21	End	928
GI	none	Score	.58
Exons	21..49, 233..422, 905..928		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92198	Strand	+
Start	7040	End	12727
Name	OJ000350_30.0314.C9.o4.gs	Method	GENSCAN
Start	7040	End	12727
GI	none	Score	.6
Exons	7040..7273, 7297..7464, 8009..8132, 8586..8761, 9006..9269, 10666..10868, 12120..12153, 12665..12727		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92198	Strand	+
Start	7040	End	12727
Name	OJ000350_30.0314.C9.o1.gp	Method	AAT/GAP
Start	7044	End	8668
GI	LIB3434-025-P1-K1-C2	Score	847
Exons	7044..7273, 7360..7464, 8424..8481, 8586..8668		
GI Descrip.	'2435511 4.0e-29 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92198	Strand	+
Start	7040	End	12727
Name	OJ000350_30.0314.C9.o1.np	Method	AAT/NAP
Start	7073	End	9320
GI	6437556	Score	701
Exons	7073..7273, 7360..7464, 8424..8481, 8586..8768, 9022..9320		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92199	Strand	-
Start	2004	End	2602
Name	OJ000350_30.0314.C9.o2.gs	Method	GENSCAN
Start	2004	End	2602
GI	none	Score	.5
Exons	2004..2071, 2222..2379, 2514..2602		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92200	Strand	-
Start	3993	End	5481
Name	OJ000350_30.0314.C9.o3.gs	Method	GENSCAN
Start	3993	End	5481
GI	none	Score	.6
Exons	3993..4111, 4852..4999, 5194..5481		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92201	Strand	
Start	7175	End	9338
Name	OJ000350_30.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	7175	End	7464
GI	none	Score	118
Exons	7175..7273, 7175..7273, 7183..7278, 7363..7464, 7380..7454, 7402..7464		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92201	Strand	
Start	7175	End	9338
Name	OJ000350_30.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	7177	End	9320
GI	none	Score	106
Exons	7177..7257, 7178..7273, 7363..7458, 7377..7511, 8421..8498, 8568..8663, 8573..8761, 8584..8760, 9008..9148, 9018..9167, 9198..9320, 9203..9319		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92201	Strand	
Start	7175	End	9338
Name	OJ000350_30.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	7177	End	9320
GI	none	Score	125
Exons	7177..7263, 7178..7282, 7363..7464, 7377..7457, 8421..8498, 8572..8763, 8573..8761, 8584..8763, 8878..8907, 8881..8907, 9014..9148, 9015..9167, 9198..9320, 9218..9310		

Seq. No.	43889	Seq. ID	OJ000350_30.0314.C9
Gene No.	92201	Strand	
Start	7175	End	9338

Name	OJ000350_30.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	8433	End	9338
GI	none	Score	84
Exons	8433..8498, 8566..8760, 8573..8761, 8614..8766, 8860..8907, 8865..8906, 9015..9338, 9017..9322		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92202	Strand	+
Start	533	End	1026
Name	OJ000350_30.0314.C10.o1.gp	Method	AAT/GAP
Start	533	End	990
GI	2429054	Score	775
Exons	533..990		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92202	Strand	+
Start	533	End	1026
Name	OJ000350_30.0314.C10.o1.gs	Method	GENSCAN
Start	709	End	1026
GI	none	Score	.62
Exons	709..1026		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92203	Strand	+
Start	8166	End	10291
Name	OJ000350_30.0314.C10.o3.gs	Method	GENSCAN
Start	8166	End	10291
GI	none	Score	.46
Exons	8166..8257, 10120..10291		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92204	Strand	+
Start	18419	End	19519
Name	OJ000350_30.0314.C10.o5.gs	Method	GENSCAN
Start	18419	End	19519
GI	none	Score	.92
Exons	18419..19519		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92205	Strand	+
Start	25606	End	29196
Name	OJ000350_30.0314.C10.o8.gs	Method	GENSCAN
Start	25606	End	28277
GI	none	Score	.9
Exons	25606..25833, 26726..26929, 27127..27192, 27312..27380, 27426..27533, 28146..28277		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92205	Strand	+
Start	25606	End	29196
Name	OJ000350_30.0314.C10.o3.np	Method	AAT/NAP
Start	26855	End	29196
GI	6520231	Score	259
Exons	26855..26929, 27127..27192, 27312..27380, 27462..27542, 29155..29196		
GI Descrip.	(AB028232) helix-loop-helix protein homolog [Arabidopsis thaliana]		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92206	Strand	-
Start	1592	End	7887
Name	OJ000350_30.0314.C10.o2.gs	Method	GENSCAN
Start	1592	End	7862
GI	none	Score	.61
Exons	1592..1668, 1892..2180, 2266..2562, 3803..4213, 4886..4990, 5350..5439, 5632..5733, 6430..6561, 6822..7004, 7315..7508, 7575..7701, 7764..7862		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92206	Strand	-
Start	1592	End	7887
Name	OJ000350_30.0314.C10.o1.np	Method	AAT/NAP
Start	3303	End	7839
GI	4107001	Score	681
Exons	3303..3440, 3895..4232, 4888..4990, 5350..5439, 5548..5733, 6430..6561, 6822..7004, 7315..7503, 7636..7839		
GI Descrip.	(D82035) OSK4 [Oryza sativa]		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92206	Strand	-
Start	1592	End	7887
Name	OJ000350_30.0314.C10.o3.gp	Method	AAT/GAP
Start	7437	End	7887
GI	1631692	Score	558
Exons	7437..7508, 7640..7887		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92207	Strand	-
Start	10873	End	14525
Name	OJ000350_30.0314.C10.o4.gp	Method	AAT/GAP
Start	10873	End	12949
GI	40416_1.R1084	Score	1434
Exons	10873..11434, 12535..12597, 12701..12821, 12911..12949		
GI Descrip.	'2494115 1.0e-26 (AC002376) Strong similarity to Arabidopsis ATHSAR1 (gb_M90418). ESTs gb_T44122,gb_N65276,gb_AA041135 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92207	Strand	-
Start	10873	End	14525
Name	OJ000350_30.0314.C10.o2.np	Method	AAT/NAP
Start	11291	End	14525
GI	7485009	Score	914
Exons	11291..11434, 12535..12597, 12701..12821, 12911..13052, 14336..14525		
GI Descrip.	homeobox protein homolog F24L7.19 - Arabidopsis thaliana gi\|2914706\|gb\|AAC04496.1\| (AC003974) putative synaptobrevin [Arabidopsis thaliana]		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o2.tc	Method	TBLASTX:Cress
Start	3303	End	7790

GI	none	Score	69
Exons	3303..3398, 5350..5439, 5557..5688, 5575..5739, 6424..6555, 6467..6553, 6819..7013, 6901..7008, 7312..7416, 7441..7509, 7680..7790		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o2.ts	Method	TBLASTX:Soybean
Start	3303	End	7787
GI	none	Score	98
Exons	3303..3398, 5350..5439, 5557..5739, 6424..6555, 6467..6553, 6819..7013, 6901..7008, 7312..7416, 7441..7509, 7680..7787		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o2.tm	Method	TBLASTX:Maize
Start	3303	End	7787
GI	none	Score	72
Exons	3303..3389, 5350..5439, 5548..5739, 5554..5709, 6424..6555, 6467..6553, 6819..7013, 6901..7008, 7312..7431, 7441..7509, 7680..7787		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o1.tm	Method	TBLASTX:Maize
Start	11281	End	14529
GI	none	Score	104
Exons	11281..11442, 11294..11317, 11295..11498, 11371..11436, 11372..11452, 12523..12600, 12528..12599, 12698..12820, 12699..12821, 12910..13050, 12913..13053, 14334..14528, 14362..14529		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o1.ts	Method	TBLASTX:Soybean
Start	11294	End	14535
GI	none	Score	100
Exons	11294..11317, 11298..11429, 11353..11436, 11361..11441, 11371..11451, 11372..11452, 12523..12600, 12696..12809, 12698..12817, 12699..12815, 12910..13050, 12977..13048, 14334..14534, 14362..14535		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o1.tc	Method	TBLASTX:Cress
Start	11358	End	14526
GI	none	Score	99
Exons	11358..11498, 11372..11452, 12523..12600, 12528..12599, 12541..12600, 12694..12819, 12697..12720, 12698..12820, 12699..12821, 12908..13024, 12910..13050, 12910..13050, 14334..14525, 14371..14526		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92208	Strand	-
Start	24787	End	24993
Name	OJ000350_30.0314.C10.o7.gs	Method	GENSCAN
Start	24787	End	24993
GI	none	Score	.74
Exons	24787..24993		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92209	Strand	
Start	26894	End	28279
Name	OJ000350_30.0314.C10.o1.tw	Method	TBLASTX:Wheat
Start	26894	End	28279
GI	none	Score	60
Exons	26894..26929, 27124..27195, 27125..27193, 27127..27204, 27267..27380, 27289..27378, 27309..27386, 27444..27497, 27461..27490, 27489..27533, 27504..27533, 28146..28223, 28159..28224, 28159..28221, 28160..28222, 28227..28277, 28229..28279, 28229..28276, 28233..28277		

Seq. No.	43890	Seq. ID	OJ000350_30.0314.C10
Gene No.	92209	Strand	
Start	26894	End	28279
Name	OJ000350_30.0314.C10.o3.ts	Method	TBLASTX:Soybean
Start	27136	End	28277
GI	none	Score	102
Exons	27136..27195, 27139..27204, 27273..27380, 27283..27384, 27309..27386, 27449..27487, 27456..27533, 27461..27523, 28171..28269, 28173..28277		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92210	Strand	+
Start	117	End	5452
Name	OJ000350_30.0314.C11.o1.gs	Method	GENSCAN
Start	117	End	5452
GI	none	Score	.7
Exons	117..227, 1041..1154, 2114..2224, 2292..2498, 3236..3328, 3417..3610, 4364..4555, 4639..4793, 5001..5452		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92210	Strand	+
Start	117	End	5452
Name	OJ000350_30.0314.C11.o1.gp	Method	AAT/GAP
Start	2394	End	4240
GI	3107822	Score	618
Exons	2394..2498, 3236..3328, 3417..3540, 4216..4240		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92211	Strand	-
Start	5640	End	6013
Name	OJ000350_30.0314.C11.o2.tm	Method	TBLASTX:Maize
Start	2310	End	4259
GI	none	Score	289
Exons	2310..2498, 2311..2499, 2312..2500, 3236..3328, 3236..3328, 3237..3341, 3406..3522, 3416..3535, 3416..3529, 3447..3551, 3453..3557, 4203..4259		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92211	Strand	-
Start	5640	End	6013
Name	OJ000350_30.0314.C11.o1.ts	Method	TBLASTX:Soybean
Start	2451	End	4259
GI	none	Score	71
Exons	2451..2498, 3235..3318, 3236..3328, 3416..3538, 3419..3538, 3421..3549, 3453..3566, 4203..4259		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92211	Strand	-
Start	5640	End	6013
Name	OJ000350_30.0314.C11.o1.tm	Method	TBLASTX:Maize
Start	4494	End	5721
GI	none	Score	71
Exons	4494..4553, 4501..4560, 4501..4551, 4622..4819, 4632..4820, 4637..4834, 4666..4857, 4958..5140, 4958..5161, 4959..5213, 4959..5237, 5210..5260, 5318..5434, 5321..5479, 5601..5636, 5680..5721		

Seq. No.	43891	Seq. ID	OJ000350_30.0314.C11
Gene No.	92211	Strand	-
Start	5640	End	6013
Name	OJ000350_30.0314.C11.o2.gp	Method	AAT/GAP
Start	5640	End	6013
GI	uC-osflM202084e04a1	Score	736
Exons	5640..6013		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92212	Strand	+
Start	1048	End	2510
Name	OJ000350_30.0314.C12.o1.gs	Method	GENSCAN
Start	1048	End	2510
GI	none	Score	.67
Exons	1048..1165, 2443..2510		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92213	Strand	+
Start	4441	End	5056
Name	OJ000350_30.0314.C12.o2.gs	Method	GENSCAN
Start	4441	End	5056
GI	none	Score	.58
Exons	4441..4660, 4759..4916, 4931..5056		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92214	Strand	+
Start	14920	End	18182
Name	OJ000350_30.0314.C12.o3.np	Method	AAT/NAP
Start	14765	End	18182
GI	5922620	Score	697
Exons	14765..14807, 14846..14903, 15685..15795, 15932..16070, 16165..16188, 16307..16483, 16591..16675, 18053..18182		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92214	Strand	+
Start	14920	End	18182
Name	OJ000350_30.0314.C12.o4.gs	Method	GENSCAN
Start	14920	End	17876
GI	none	Score	.58
Exons	14920..14950, 15438..15601, 16165..16275, 16280..16450, 16591..16675, 16708..16859, 17694..17876		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92215	Strand	+
Start	19686	End	22226
Name	OJ000350_30.0314.C12.o5.np	Method	AAT/NAP
Start	19686	End	22226
GI	6851021	Score	144
Exons	19686..19737, 20421..20566, 22153..22226		
GI Descrip.	(Y08501) orfX [Arabidopsis thaliana]		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92216	Strand	-
Start	2302	End	2791
Name	OJ000350_30.0314.C12.o1.np	Method	AAT/NAP
Start	2302	End	2791
GI	7228450	Score	154
Exons	2302..2413, 2498..2621, 2732..2791		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92217	Strand	-
Start	5627	End	13148
Name	OJ000350_30.0314.C12.o2.np	Method	AAT/NAP
Start	5627	End	9948
GI	4206200	Score	217
Exons	5627..5741, 6895..7240, 7280..7741, 9926..9948		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92217	Strand	-
Start	5627	End	13148
Name	OJ000350_30.0314.C12.o3.gs	Method	GENSCAN
Start	6747	End	13148
GI	none	Score	.81
Exons	6747..6905, 7003..7889, 12884..13148		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92218	Strand	-
Start	18955	End	20885
Name	OJ000350_30.0314.C12.o5.gs	Method	GENSCAN
Start	18955	End	20885
GI	none	Score	.77
Exons	18955..19181, 19762..19893, 20864..20885		

Seq. No.	43892	Seq. ID	OJ000350_30.0314.C12
Gene No.	92219	Strand	-

Start	22096	End	24169
Name	OJ000350_30.0314.C12.o6.gs	Method	GENSCAN
Start	22096	End	24169
GI	none	Score	.74
Exons	22096..22281, 22361..22459, 22554..22626, 22918..23091, 23201..24169		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92220	Strand	+
Start	3414	End	7076
Name	OJ000350_30.0314.C13.o1.gs	Method	GENSCAN
Start	3414	End	7076
GI	none	Score	.42
Exons	3414..3470, 3508..3584, 5879..6007, 6236..6444, 6987..7076		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92221	Strand	+
Start	12433	End	12702
Name	OJ000350_30.0314.C13.o3.gs	Method	GENSCAN
Start	12433	End	12702
GI	none	Score	.97
Exons	12433..12702		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92222	Strand	+
Start	13448	End	13847
Name	OJ000350_30.0314.C13.o3.gp	Method	AAT/GAP
Start	13448	End	13847
GI	none	Score	800
Exons	13448..13847		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92223	Strand	-
Start	676	End	793
Name	OJ000350_30.0314.C13.o1.gp	Method	AAT/GAP
Start	676	End	793
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	676..793		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92224	Strand	-
Start	3638	End	3750
Name	OJ000350_30.0314.C13.o2.gp	Method	AAT/GAP
Start	3638	End	3750
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	3638..3750		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92225	Strand	-
Start	7421	End	10619
Name	OJ000350_30.0314.C13.o2.gs	Method	GENSCAN

Start	7421	End	10619
GI	none	Score	.71
Exons	7421..8514, 9203..9485, 10308..10619		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o2.np	Method	AAT/NAP
Start	13147	End	17293
GI	5882745	Score	1664
Exons	13147..13227, 13833..14411, 14948..15099, 15610..15853, 16330..17013, 17044..17121, 17204..17293		
GI Descrip.	(AC008263) F25A4.24 [Arabidopsis thaliana]		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o4.gs	Method	GENSCAN
Start	13767	End	17555
GI	none	Score	.87
Exons	13767..14411, 14948..15117, 15637..15853, 16330..17121, 17204..17361, 17447..17555		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o1.tm	Method	TBLASTX:Maize
Start	13867	End	14156
GI	none	Score	210
Exons	13867..14037, 13896..14036, 14025..14156, 14029..14154		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o1.ts	Method	TBLASTX:Soybean
Start	13905	End	16777
GI	none	Score	77
Exons	13905..14051, 13927..14019, 14037..14432, 14038..14433, 14946..15122, 14948..15097, 15614..15859, 15636..15716, 15768..15845, 16316..16777, 16321..16776		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o1.tc	Method	TBLASTX:Cress
Start	14046	End	15119
GI	none	Score	59
Exons	14046..14432, 14104..14223, 14269..14415, 14946..15119, 14948..15097		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o2.tm	Method	TBLASTX:Maize
Start	14199	End	14417
GI	none	Score	129
Exons	14199..14417, 14269..14415		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o2.ts	Method	TBLASTX:Soybean
Start	16856	End	17357
GI	none	Score	44
Exons	16856..16909, 16858..16908, 16909..16992, 16916..16978, 17044..17130, 17045..17131, 17172..17357, 17213..17356		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o1.tw	Method	TBLASTX:Wheat
Start	17069	End	17483
GI	none	Score	78
Exons	17069..17122, 17071..17130, 17199..17360, 17199..17225, 17213..17365, 17445..17483, 17451..17480		

Seq. No.	43893	Seq. ID	OJ000350_30.0314.C13
Gene No.	92226	Strand	-
Start	13147	End	17580
Name	OJ000350_30.0314.C13.o4.gp	Method	AAT/GAP
Start	17070	End	17580
GI	none	Score	616
Exons	17070..17121, 17204..17361, 17447..17580		

Seq. No.	43894	Seq. ID	OJ000350_30.0314.C14
Gene No.	92227	Strand	-
Start	366	End	732
Name	OJ000350_30.0314.C14.o1.gp	Method	AAT/GAP
Start	366	End	732
GI	none	Score	640
Exons	366..732		

Seq. No.	43894	Seq. ID	OJ000350_30.0314.C14
Gene No.	92227	Strand	-
Start	366	End	732
Name	OJ000350_30.0314.C14.o1.tm	Method	TBLASTX:Maize
Start	446	End	699
GI	none	Score	92
Exons	446..637, 466..555, 471..638, 605..697, 618..698, 633..698, 658..699		

Seq. No.	43894	Seq. ID	OJ000350_30.0314.C14
Gene No.	92227	Strand	-
Start	366	End	732
Name	OJ000350_30.0314.C14.o1.gs	Method	GENSCAN
Start	476	End	697
GI	none	Score	.86
Exons	476..697		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92228	Strand	+
Start	14099	End	18870
Name	OJ000350_33.0314.C3.o4.gs	Method	GENSCAN
Start	14099	End	18870

GI	none	Score	.61
Exons	14099..14294, 14762..14879, 15810..15950, 18014..18142, 18167..18348, 18413..18870		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92229	Strand	+
Start	22785	End	25990
Name	OJ000350_33.0314.C3.o2.np	Method	AAT/NAP
Start	22785	End	25990
GI	5915839	Score	613
Exons	22785..23607, 23656..23757, 25626..25990		
GI Descrip.	CYTOCHROME P450 71D10 gi\|2739000\|gb\|AAB94588\| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92230	Strand	-
Start	1	End	4232
Name	OJ000350_33.0314.C3.o1.np	Method	AAT/NAP
Start	1	End	4232
GI	4587524	Score	457
Exons	1..298, 913..978, 1073..1158, 1465..1578, 1694..1788, 1833..1920, 2001..2074, 2231..2333, 2463..2520, 2614..2669, 3233..3422, 4071..4232		
GI Descrip.	(AC007060) T5I8.13 [Arabidopsis thaliana]		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92230	Strand	-
Start	1	End	4232
Name	OJ000350_33.0314.C3.o1.gs	Method	GENSCAN
Start	988	End	4078
GI	none	Score	.68
Exons	988..1158, 1465..1578, 1840..1920, 2241..2384, 2463..2520, 2614..2669, 3233..3363, 3862..4078		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92230	Strand	-
Start	1	End	4232
Name	OJ000350_33.0314.C3.o1.gp	Method	AAT/GAP
Start	1503	End	3345
GI	5005200	Score	1163
Exons	1503..1578, 1694..1759, 1840..1920, 2001..2084, 2241..2384, 2463..2520, 2614..2669, 3233..3345		
GI Descrip.	4587524/gb\|AAD25755.1\|AC007060_13 4.0e-36 (AC007060) T5I8.13 [Arabidopsis thaliana]		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92231	Strand	-
Start	8526	End	8759
Name	OJ000350_33.0314.C3.o3.gs	Method	GENSCAN
Start	8526	End	8759
GI	none	Score	.96
Exons	8526..8759		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92232	Strand	
Start	22876	End	25990
Name	OJ000350_33.0314.C3.o2.tm	Method	TBLASTX:Maize

Start	22876	End	23514
GI	none	Score	112
Exons	22876..22956, 22878..22946, 22894..22947, 23041..23136, 23043..23285, 23164..23406, 23422..23514		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92232	Strand	
Start	22876	End	25990
Name	OJ000350_33.0314.C3.o1.tc	Method	TBLASTX:Cress
Start	22891	End	25985
GI	none	Score	76
Exons	22891..22959, 23041..23178, 25626..25985, 25808..25975		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92232	Strand	
Start	22876	End	25990
Name	OJ000350_33.0314.C3.o1.ts	Method	TBLASTX:Soybean
Start	22894	End	25985
GI	none	Score	55
Exons	22894..22947, 23038..23289, 25625..25720, 25626..25985, 25793..25975		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92232	Strand	
Start	22876	End	25990
Name	OJ000350_33.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	25607	End	25990
GI	none	Score	394
Exons	25607..25990, 25626..25988		

Seq. No.	43895	Seq. ID	OJ000350_33.0314.C3
Gene No.	92232	Strand	
Start	22876	End	25990
Name	OJ000350_33.0314.C3.o1.tw	Method	TBLASTX:Wheat
Start	25625	End	25934
GI	none	Score	334
Exons	25625..25933, 25626..25934		

Seq. No.	43896	Seq. ID	OJ000350_33.0314.C4
Gene No.	92233	Strand	+
Start	34	End	1201
Name	OJ000350_33.0314.C4.o1.gs	Method	GENSCAN
Start	34	End	1201
GI	none	Score	.84
Exons	34..115, 1116..1201		

Seq. No.	43896	Seq. ID	OJ000350_33.0314.C4
Gene No.	92234	Strand	-
Start	1664	End	2104
Name	OJ000350_33.0314.C4.o2.gs	Method	GENSCAN
Start	1664	End	2104
GI	none	Score	.82
Exons	1664..2104		

Seq. No.	43897	Seq. ID	OJ000350_33.0314.C5
Gene No.	92235	Strand	-
Start	736	End	929

Name	OJ000350_33.0314.C5.o1.gs	Method	GENSCAN
Start	736	End	929
GI	none	Score	.98
Exons	736..929		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92236	Strand	+
Start	1	End	8130
Name	OJ000350_33.0314.C7.o1.np	Method	AAT/NAP
Start	1	End	3905
GI	6466937	Score	2344
Exons	1..3905		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92236	Strand	+
Start	1	End	8130
Name	OJ000350_33.0314.C7.o1.gs	Method	GENSCAN
Start	332	End	8130
GI	none	Score	.44
Exons	332..3641, 3681..3887, 4442..4496, 5257..5364, 5611..5774, 6756..6832, 6996..7189, 7306..7393, 7843..8130		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92236	Strand	+
Start	1	End	8130
Name	OJ000350_33.0314.C7.o2.np	Method	AAT/NAP
Start	3763	End	6837
GI	7484903	Score	135
Exons	3763..3895, 5666..5774, 6756..6837		
GI Descrip.	cytoskeletal protein homolog F16M14.23 - Arabidopsis thaliana gi\|3395442\|gb\|AAC28774.1\| (AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o6.tm	Method	TBLASTX:Maize
Start	491	End	787
GI	none	Score	272
Exons	491..787, 551..775, 556..777		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o1.tw	Method	TBLASTX:Wheat
Start	1031	End	1513
GI	none	Score	366
Exons	1031..1513, 1178..1354, 1183..1470		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o4.ts	Method	TBLASTX:Soybean
Start	1067	End	1381
GI	none	Score	205

Exons	1067..1381, 1181..1381		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o3.tm	Method	TBLASTX:Maize
Start	1094	End	1567
GI	none	Score	595
Exons	1094..1567, 1097..1525, 1111..1557		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o1.ts	Method	TBLASTX:Soybean
Start	1490	End	1849
GI	none	Score	288
Exons	1490..1849, 1507..1836		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o2.tw	Method	TBLASTX:Wheat
Start	1562	End	1963
GI	none	Score	329
Exons	1562..1963, 1609..1929		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o2.tm	Method	TBLASTX:Maize
Start	1586	End	2113
GI	none	Score	598
Exons	1586..2113, 1606..2103, 1679..1957		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o3.ts	Method	TBLASTX:Soybean
Start	1871	End	2128
GI	none	Score	217
Exons	1871..2128, 1888..2022		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o5.tm	Method	TBLASTX:Maize
Start	2114	End	2539
GI	none	Score	228
Exons	2114..2299, 2114..2284, 2116..2298, 2309..2539, 2404..2538		
Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o5.tw	Method	TBLASTX:Wheat
Start	2297	End	2707
GI	none	Score	233
Exons	2297..2596, 2449..2568, 2635..2706, 2660..2707		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	2540	End	3175
GI	none	Score	78
Exons	2540..2602, 2542..2604, 2650..3174, 2660..3175		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o2.ts	Method	TBLASTX:Soybean
Start	2599	End	2947
GI	none	Score	279
Exons	2599..2946, 2678..2947		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o4.tw	Method	TBLASTX:Wheat
Start	2795	End	3175
GI	none	Score	307
Exons	2795..3175, 2887..2973		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o4.tm	Method	TBLASTX:Maize
Start	3215	End	3859
GI	none	Score	72
Exons	3215..3535, 3216..3377, 3218..3859, 3640..3762, 3704..3793		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o3.tw	Method	TBLASTX:Wheat
Start	3242	End	3583
GI	none	Score	325
Exons	3242..3583, 3242..3535, 3277..3543		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o2.gs	Method	GENSCAN
Start	10104	End	18386
GI	none	Score	.64
Exons	10104..10149, 10516..10903, 10931..11096, 11470..11644, 12146..12236, 13032..13136, 13270..13387, 13510..13560, 13664..13755, 13887..13986, 14292..14411, 14504..14581, 14826..14872, 14955..15010, 16287..16327, 16681..16786, 18254..18386		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o3.np	Method	AAT/NAP

Start	10806	End	18568
GI	7503022	Score	494
Exons	10806..10903, 13032..13136, 13270..13387, 13510..13560, 13664..13755, 13887..13977, 14292..14411, 14504..14581, 14826..14872, 14955..15010, 16287..16327, 16681..16754, 18510..18568		
GI Descrip.	hypothetical protein F39H2.2 - Caenorhabditis elegans gi\|3420982\|emb\|CAB10726.1\| (Z97628) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans] gi\|3876969\|emb\|CAB03088.1\| (Z81080) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans]		

Seq. No.	43898	Seq. ID	OJ000350_33.0314.C7
Gene No.	92237	Strand	+
Start	10104	End	18568
Name	OJ000350_33.0314.C7.o7.tm	Method	TBLASTX:Maize
Start	16733	End	18563
GI	none	Score	64
Exons	16733..16792, 16735..16785, 18251..18370, 18252..18386, 18253..18384, 18461..18484, 18495..18563, 18504..18563		

Seq. No.	43899	Seq. ID	OJ000350_33.0314.C8
Gene No.	92238	Strand	+
Start	68	End	5053
Name	OJ000350_33.0314.C8.o1.gs	Method	GENSCAN
Start	68	End	5047
GI	none	Score	.86
Exons	68..195, 1484..1660, 1688..1918, 2445..2549, 2629..2746, 2894..2944, 3042..3133, 3272..3371, 3732..3851, 3941..4018, 4182..4228, 4311..4366, 5007..5047		

Seq. No.	43899	Seq. ID	OJ000350_33.0314.C8
Gene No.	92238	Strand	+
Start	68	End	5053
Name	OJ000350_33.0314.C8.o1.tc	Method	TBLASTX:Cress
Start	1820	End	2941
GI	none	Score	144
Exons	1820..1918, 1821..1919, 2436..2501, 2437..2550, 2437..2538, 2442..2555, 2626..2742, 2627..2746, 2894..2941		

Seq. No.	43899	Seq. ID	OJ000350_33.0314.C8
Gene No.	92238	Strand	+
Start	68	End	5053
Name	OJ000350_33.0314.C8.o1.np	Method	AAT/NAP
Start	1821	End	5053
GI	7503022	Score	480
Exons	1821..1918, 2445..2549, 2629..2746, 2894..2944, 3042..3133, 3272..3362, 3732..3851, 3941..4018, 4182..4228, 4311..4366, 5007..5053		
GI Descrip.	hypothetical protein F39H2.2 - Caenorhabditis elegans gi\|3420982\|emb\|CAB10726.1\| (Z97628) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans] gi\|3876969\|emb\|CAB03088.1\| (Z81080) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans]		

Seq. No.	43900	Seq. ID	OJ000350_33.0314.C9
Gene No.	92239	Strand	+

Start	1036	End	1785
Name	OJ000350_33.0314.C9.o1.gp	Method	AAT/GAP
Start	1036	End	1459
GI	LIB3474-006-P1-K1-A5	Score	512
Exons	1036..1240, 1313..1459		
GI Descrip.	'4972682/gb\|AAD34736.1\| 4.0e-11 (AF132148) unknown [Drosophila melanogaster]'		

Seq. No.	43900	Seq. ID	OJ000350_33.0314.C9
Gene No.	92239	Strand	+
Start	1036	End	1785
Name	OJ000350_33.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	1106	End	1587
GI	none	Score	227
Exons	1106..1240, 1107..1238, 1311..1469, 1312..1476, 1312..1467, 1346..1498, 1483..1587, 1510..1587		

Seq. No.	43900	Seq. ID	OJ000350_33.0314.C9
Gene No.	92239	Strand	+
Start	1036	End	1785
Name	OJ000350_33.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	1106	End	1226
GI	none	Score	117
Exons	1106..1216, 1106..1225, 1107..1226		

Seq. No.	43900	Seq. ID	OJ000350_33.0314.C9
Gene No.	92239	Strand	+
Start	1036	End	1785
Name	OJ000350_33.0314.C9.o1.gs	Method	GENSCAN
Start	1108	End	1785
GI	none	Score	.83
Exons	1108..1240, 1313..1785		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92240	Strand	+
Start	1124	End	4778
Name	OJ000350_33.0314.C10.o1.gs	Method	GENSCAN
Start	1124	End	4778
GI	none	Score	.72
Exons	1124..1321, 1911..2093, 2211..2264, 2344..2508, 2838..3186, 3750..3882, 3925..4199, 4336..4501, 4625..4778		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92240	Strand	+
Start	1124	End	4778
Name	OJ000350_33.0314.C10.o1.np	Method	AAT/NAP
Start	2053	End	3997
GI	3668081	Score	94
Exons	2053..2093, 2211..2264, 2371..2508, 2832..3153, 3933..3997		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92241	Strand	+
Start	6767	End	9091
Name	OJ000350_33.0314.C10.o2.gs	Method	GENSCAN
Start	6767	End	9091
GI	none	Score	.73

Exons	6767..6784, 7159..7424, 8354..8499, 9078..9091		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92242	Strand	+
Start	18412	End	28066
Name	OJ000350_33.0314.C10.o5.gs	Method	GENSCAN
Start	18412	End	28029
GI	none	Score	.53
Exons	18412..18453, 21248..21374, 22160..22260, 22276..22507, 22614..22825, 23170..23220, 23664..23774, 26497..26623, 27126..28029		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92242	Strand	+
Start	18412	End	28066
Name	OJ000350_33.0314.C10.o3.np	Method	AAT/NAP
Start	22207	End	28066
GI	7488032	Score	1816
Exons	22207..22507, 22614..22862, 23170..23220, 23379..23639, 23722..23774, 23904..24018, 26369..26623, 27126..27777, 27965..28066		
GI Descrip.	potassium transport protein KUP1, high-affinity - Arabidopsis thaliana gi\|2654088\|gb\|AAB87687.1\| (AF033118) potassium transporter [Arabidopsis thaliana] gi\|2688979\|gb\|AAB88901.1\| (AF029876) high-affinity potassium transporter; AtKUP1p [Arabidopsis thaliana] gi\|3150413\|gb\|AAC16965.1\| (AC004165) high affinity K+ transporter (AtKUP1/AtKT1p) [Arabidopsis thaliana]		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92242	Strand	+
Start	18412	End	28066
Name	OJ000350_33.0314.C10.o1.gp	Method	AAT/GAP
Start	27587	End	27735
GI	LIB3431-011-P1-K1-A8	Score	253
Exons	27587..27735		
GI Descrip.	'4587524/gb\|AAD25755.1\|AC007060_13 4.0e-36 (AC007060) T5I8.13 [Arabidopsis thaliana]'		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92243	Strand	-
Start	9886	End	10074
Name	OJ000350_33.0314.C10.o3.gs	Method	GENSCAN
Start	9886	End	10074
GI	none	Score	.58
Exons	9886..10074		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o2.np	Method	AAT/NAP
Start	11945	End	13339
GI	6579207	Score	542
Exons	11945..12588, 13048..13339		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-

Start	11965	End	16682
Name	OJ000350_33.0314.C10.o2.tc	Method	TBLASTX:Cress
Start	11958	End	12487
GI	none	Score	61
Exons	11958..12035, 11975..12028, 12037..12069, 12067..12333, 12068..12235, 12371..12487, 12372..12461		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o2.tm	Method	TBLASTX:Maize
Start	11958	End	13400
GI	none	Score	63
Exons	11958..12035, 11972..12037, 11973..12035, 11974..12036, 12035..12091, 12037..12201, 12037..12330, 12041..12319, 12371..12502, 12372..12503, 12505..12570, 12507..12569, 13296..13400		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o4.ts	Method	TBLASTX:Soybean
Start	11958	End	12576
GI	none	Score	75
Exons	11958..12035, 11974..12036, 12058..12330, 12059..12310, 12371..12502, 12372..12503, 12505..12576, 12507..12575		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o4.gs	Method	GENSCAN
Start	11965	End	16682
GI	none	Score	.46
Exons	11965..12412, 12785..13006, 13073..13215, 13375..13454, 13920..14034, 14119..14234, 16068..16312, 16627..16682		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o1.tw	Method	TBLASTX:Wheat
Start	12071	End	12330
GI	none	Score	247
Exons	12071..12313, 12073..12330		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92244	Strand	-
Start	11965	End	16682
Name	OJ000350_33.0314.C10.o2.tw	Method	TBLASTX:Wheat
Start	12330	End	12570
GI	none	Score	111
Exons	12330..12362, 12371..12502, 12372..12503, 12504..12569, 12505..12570, 12507..12569		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o4.tm	Method	TBLASTX:Maize

Start	22290	End	22509
GI	none	Score	66
Exons	22290..22379, 22290..22373, 22291..22509, 22300..22509		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o1.tc	Method	TBLASTX:Cress
Start	22294	End	27724
GI	none	Score	279
Exons	22294..22509, 22311..22508, 22525..22656, 22613..22810, 22730..22861, 22730..22855, 23327..23641, 23380..23640, 23718..23777, 23877..24005, 23880..24017, 23921..24061, 26367..26624, 26374..26625, 27124..27399, 27125..27724, 27463..27720		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o2.ts	Method	TBLASTX:Soybean
Start	22294	End	22861
GI	none	Score	266
Exons	22294..22503, 22299..22505, 22306..22506, 22613..22708, 22613..22699, 22712..22861, 22754..22858		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o3.tw	Method	TBLASTX:Wheat
Start	22604	End	22861
GI	none	Score	103
Exons	22604..22714, 22613..22708, 22754..22861, 22813..22860		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o3.ts	Method	TBLASTX:Soybean
Start	23386	End	26439
GI	none	Score	329
Exons	23386..23643, 23396..23644, 23718..23792, 23720..23791, 23880..23993, 26368..26439		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o3.tm	Method	TBLASTX:Maize
Start	23426	End	26487
GI	none	Score	274
Exons	23426..23638, 23432..23644, 23437..23640, 23718..23795, 23901..24017, 26358..26486, 26374..26487		

Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o5.ts	Method	TBLASTX:Soybean
Start	26442	End	26627
GI	none	Score	265

Exons	26442..26627, 26443..26625		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o1.tm	Method	TBLASTX:Maize
Start	26487	End	27724
GI	none	Score	195
Exons	26487..26627, 26488..26625, 27124..27390, 27125..27457, 27478..27720, 27479..27724		
Seq. No.	43901	Seq. ID	OJ000350_33.0314.C10
Gene No.	92245	Strand	
Start	22290	End	27727
Name	OJ000350_33.0314.C10.o1.ts	Method	TBLASTX:Soybean
Start	27115	End	27727
GI	none	Score	464
Exons	27115..27390, 27122..27727, 27478..27654		
Seq. No.	43902	Seq. ID	OJ000350_33.0314.C11
Gene No.	92246	Strand	+
Start	5009	End	9295
Name	OJ000350_33.0314.C11.o2.gs	Method	GENSCAN
Start	5009	End	9295
GI	none	Score	.64
Exons	5009..5094, 5133..5217, 6901..7087, 7687..7866, 8118..8290, 9158..9295		
Seq. No.	43902	Seq. ID	OJ000350_33.0314.C11
Gene No.	92247	Strand	-
Start	3291	End	4043
Name	OJ000350_33.0314.C11.o1.np	Method	AAT/NAP
Start	3291	End	4043
GI	5852079	Score	156
Exons	3291..3328, 3533..3820, 3947..4043		
GI Descrip.	(AL117264) zwh0002.1 [Oryza sativa]		
Seq. No.	43902	Seq. ID	OJ000350_33.0314.C11
Gene No.	92248	Strand	-
Start	11193	End	11514
Name	OJ000350_33.0314.C11.o3.gs	Method	GENSCAN
Start	11193	End	11514
GI	none	Score	.69
Exons	11193..11297, 11329..11514		
Seq. No.	43903	Seq. ID	OJ000350_32.0310.C2
Gene No.	92249	Strand	+
Start	208	End	279
Name	OJ000350_32.0310.C2.o1.gs	Method	GENSCAN
Start	208	End	279
GI	none	Score	.59
Exons	208..279		
Seq. No.	43904	Seq. ID	OJ000350_32.0310.C5
Gene No.	92251	Strand	-
Start	544	End	591
Name	OJ000350_32.0310.C5.o1.gs	Method	GENSCAN

Start	544	End	582
GI	none	Score	.69
Exons	544..582		

Seq. No.	43905	Seq. ID	OJ000350_32.0310.C8
Gene No.	92252	Strand	+
Start	387	End	741
Name	OJ000350_32.0310.C8.o1.gs	Method	GENSCAN
Start	387	End	741
GI	none	Score	.43
Exons	387..566, 675..741		

Seq. No.	43906	Seq. ID	OJ000350_32.0310.C10
Gene No.	92253	Strand	-
Start	1	End	1364
Name	OJ000350_32.0310.C10.o1.np	Method	AAT/NAP
Start	1	End	1364
GI	7486725	Score	348
Exons	1..224, 252..601, 1336..1364		
GI Descrip.	hypothetical protein F9D12.19 - Arabidopsis thaliana gi\|3319356\|gb\|AAC26245.1\| (AF077407) contains similarity glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92254	Strand	+
Start	1210	End	3820
Name	OJ000350_32.0310.C11.o1.np	Method	AAT/NAP
Start	1210	End	3820
GI	7228450	Score	201
Exons	1210..1320, 3442..3581, 3696..3820		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92255	Strand	+
Start	7776	End	15425
Name	OJ000350_32.0310.C11.o2.gs	Method	GENSCAN
Start	7776	End	15425
GI	none	Score	.71
Exons	7776..7853, 7952..8449, 8966..9026, 9966..10377, 11194..11844, 12241..12463, 12469..12605, 12774..13554, 13635..13713, 13774..14060, 14141..14200, 14380..15003, 15270..15425		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92255	Strand	+
Start	7776	End	15425
Name	OJ000350_32.0310.C11.o2.np	Method	AAT/NAP
Start	8834	End	12630
GI	7106512	Score	1805
Exons	8834..8892, 8966..9735, 9971..10503, 10972..12099, 12129..12630		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92256	Strand	-
Start	10423	End	10698
Name	OJ000350_32.0310.C11.o1.gp	Method	AAT/GAP
Start	10423	End	10698

GI	uC-osflcyp053f07a1	Score	348
Exons	10423..10698		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o3.np	Method	AAT/NAP
Start	14517	End	16548
GI	629693	Score	527
Exons	14517..14561, 15438..16548		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	15435	End	15680
GI	none	Score	45
Exons	15435..15680, 15439..15468, 15441..15470, 15508..15678, 15513..15680		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	15456	End	15872
GI	none	Score	69
Exons	15456..15872, 15490..15633		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o3.gs	Method	GENSCAN
Start	15693	End	17244
GI	none	Score	.51
Exons	15693..16112, 16433..17244		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o4.np	Method	AAT/NAP
Start	16043	End	17596
GI	4836930	Score	575
Exons	16043..17478, 17527..17596		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o3.tw	Method	TBLASTX:Wheat
Start	16184	End	16573
GI	none	Score	108
Exons	16184..16240, 16265..16378, 16412..16573		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o3.ts	Method	TBLASTX:Soybean
Start	16217	End	16498
GI	none	Score	87
Exons	16217..16498, 16218..16430		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	16247	End	16579
GI	none	Score	212
Exons	16247..16579		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o2.tw	Method	TBLASTX:Wheat
Start	16835	End	17233
GI	none	Score	74
Exons	16835..17104, 16857..17093, 17144..17233		

Seq. No.	43907	Seq. ID	OJ000350_32.0310.C11
Gene No.	92257	Strand	-
Start	14517	End	17596
Name	OJ000350_32.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	16866	End	17278
GI	none	Score	114
Exons	16866..17108, 16868..17125, 17043..17126, 17141..17278, 17141..17278		

Seq. No.	43908	Seq. ID	OJ000350_32.0310.C12
Gene No.	92258	Strand	-
Start	1	End	1253
Name	OJ000350_32.0310.C12.o1.np	Method	AAT/NAP
Start	1	End	295
GI	7248394	Score	207
Exons	1..295		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43908	Seq. ID	OJ000350_32.0310.C12
Gene No.	92258	Strand	-
Start	1	End	1253
Name	OJ000350_32.0310.C12.o1.gs	Method	GENSCAN
Start	42	End	1253
GI	none	Score	.48
Exons	42..498, 719..1253		

Seq. No.	43909	Seq. ID	OJ000350_32.0310.C13
Gene No.	92259	Strand	-
Start	1	End	1383

Name	OJ000350_32.0310.C13.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	7248393	Score	492
Exons	1..374, 1309..1383		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	43909	Seq. ID	OJ000350_32.0310.C13
Gene No.	92259	Strand	-
Start	1	End	1383
Name	OJ000350_32.0310.C13.o1.gs	Method	GENSCAN
Start	31	End	370
GI	none	Score	.87
Exons	31..370		

Seq. No.	43909	Seq. ID	OJ000350_32.0310.C13
Gene No.	92260	Strand	-
Start	1299	End	1527
Name	OJ000350_32.0310.C13.o1.gp	Method	AAT/GAP
Start	1299	End	1527
GI	20088_1.R1084	Score	387
Exons	1299..1527		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	43910	Seq. ID	OJ000350_32.0310.C14
Gene No.	92261	Strand	+
Start	1218	End	1354
Name	OJ000350_32.0310.C14.o1.gs	Method	GENSCAN
Start	1218	End	1354
GI	none	Score	.55
Exons	1218..1354		

Seq. No.	43910	Seq. ID	OJ000350_32.0310.C14
Gene No.	92262	Strand	-
Start	1	End	5244
Name	OJ000350_32.0310.C14.o1.np	Method	AAT/NAP
Start	1	End	1761
GI	5042463	Score	179
Exons	1..98, 317..565, 1740..1761		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	43910	Seq. ID	OJ000350_32.0310.C14
Gene No.	92262	Strand	-
Start	1	End	5244
Name	OJ000350_32.0310.C14.o2.np	Method	AAT/NAP
Start	40	End	4706
GI	5852181	Score	107
Exons	40..176, 1209..1446, 4676..4706		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	43910	Seq. ID	OJ000350_32.0310.C14
Gene No.	92262	Strand	-
Start	1	End	5244
Name	OJ000350_32.0310.C14.o2.gs	Method	GENSCAN
Start	2681	End	5244
GI	none	Score	.6

Exons	2681..2784, 4587..5244		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92263	Strand	+
Start	713	End	4815
Name	OJ000350_32.0310.C15.o1.np	Method	AAT/NAP
Start	713	End	4803
GI	6691716	Score	1119
Exons	713..788, 3014..3150, 3227..3327, 3406..3585, 3663..3850, 3925..4027, 4177..4290, 4364..4803		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92263	Strand	+
Start	713	End	4815
Name	OJ000350_32.0310.C15.o1.gs	Method	GENSCAN
Start	1262	End	4815
GI	none	Score	.71
Exons	1262..1456, 2894..2964, 3227..3585, 3654..3850, 3925..4114, 4364..4815		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92264	Strand	+
Start	10944	End	11701
Name	OJ000350_32.0310.C15.o1.gp	Method	AAT/GAP
Start	10944	End	11701
GI	5816562	Score	616
Exons	10944..10969, 11290..11701		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92265	Strand	+
Start	14384	End	36027
Name	OJ000350_32.0310.C15.o3.gs	Method	GENSCAN
Start	14384	End	22632
GI	none	Score	.4
Exons	14384..14455, 14881..14935, 15175..15349, 15440..15505, 15572..15750, 15755..15860, 17317..17440, 18033..18138, 18519..18558, 19428..20275, 20987..21661, 22511..22632		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92265	Strand	+
Start	14384	End	36027
Name	OJ000350_32.0310.C15.o3.np	Method	AAT/NAP
Start	19507	End	20376
GI	5042448	Score	1332
Exons	19507..20376		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92265	Strand	+
Start	14384	End	36027
Name	OJ000350_32.0310.C15.o4.np	Method	AAT/NAP

Start	22423	End	36027
GI	4680179	Score	5232
Exons	22423..22764, 32378..36027		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92265	Strand	+
Start	14384	End	36027
Name	OJ000350_32.0310.C15.o5.gs	Method	GENSCAN
Start	32381	End	35289
GI	none	Score	.66
Exons	32381..32696, 32934..33809, 33963..35006, 35105..35289		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o9.tw	Method	TBLASTX:Wheat
Start	5156	End	5754
GI	none	Score	61
Exons	5156..5287, 5279..5443, 5512..5754, 5513..5608, 5663..5749		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o2.np	Method	AAT/NAP
Start	5180	End	11243
GI	5922631	Score	6557
Exons	5180..7705, 8312..9238, 9365..9515, 9558..10135, 10181..10375, 10634..10860, 11119..11243		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o7.tm	Method	TBLASTX:Maize
Start	5195	End	5449
GI	none	Score	95
Exons	5195..5296, 5196..5297, 5276..5449, 5277..5429		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o2.gs	Method	GENSCAN
Start	5339	End	11243
GI	none	Score	.41
Exons	5339..5525, 5621..6695, 7469..8266, 8384..8620, 8774..10039, 10153..10248, 10253..10390, 10595..11243		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352

Name	OJ000350_32.0310.C15.o3.tm	Method	TBLASTX:Maize
Start	5656	End	35334
GI	none	Score	455
Exons	5656..5853, 24059..24283, 35014..35331, 35025..35330, 35026..35334		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o6.tw	Method	TBLASTX:Wheat
Start	5756	End	24534
GI	none	Score	225
Exons	5756..6133, 5758..6138, 5884..6138, 24301..24363, 24370..24534		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o5.ts	Method	TBLASTX:Soybean
Start	5959	End	24597
GI	none	Score	196
Exons	5959..6201, 24316..24597		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o4.tm	Method	TBLASTX:Maize
Start	5968	End	24672
GI	none	Score	234
Exons	5968..6276, 5969..6253, 24346..24672		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o13.tw	Method	TBLASTX:Wheat
Start	6232	End	6573
GI	none	Score	131
Exons	6232..6372, 6439..6573		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o8.tw	Method	TBLASTX:Wheat
Start	6589	End	25472
GI	none	Score	89
Exons	6589..6804, 6665..6805, 6804..7010, 6805..7005, 25181..25471, 25398..25472		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o2.ts	Method	TBLASTX:Soybean
Start	6632	End	25660
GI	none	Score	67
Exons	6632..6772, 6634..6756, 6804..6875, 6805..6879, 6915..7019, 6925..7011, 25241..25474, 25242..25361, 25401..25475, 25522..25659, 25522..25659, 25526..25660		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o11.tw	Method	TBLASTX:Wheat
Start	7011	End	7295
GI	none	Score	55
Exons	7011..7103, 7014..7295, 7188..7286		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o5.tw	Method	TBLASTX:Wheat
Start	7303	End	34057
GI	none	Score	244
Exons	7303..7677, 7305..7724, 7306..7626, 25897..25956, 25992..26270, 26106..26222, 33812..33931, 33974..34057		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	7377	End	34051
GI	none	Score	91
Exons	7377..7820, 7471..7650, 25968..26426, 25969..26277, 26362..26424, 33599..33730, 33812..34051		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o1.ts	Method	TBLASTX:Soybean
Start	7383	End	34042
GI	none	Score	57
Exons	7383..7646, 25998..26324, 33647..33679, 33683..33736, 33787..33930, 33797..34042, 33991..34041		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o5.tm	Method	TBLASTX:Maize
Start	7821	End	33586
GI	none	Score	191
Exons	7821..8165, 7822..8124, 26443..26667, 26469..26669, 26649..26738, 33356..33586		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o2.tw	Method	TBLASTX:Wheat
Start	7836	End	33715
GI	none	Score	358
Exons	7836..8042, 26293..26694, 26295..26702, 26362..26682, 33401..33580, 33593..33715		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o4.ts	Method	TBLASTX:Soybean

Start	7890	End	33535
GI	none	Score	111
Exons	7890..8021, 8031..8255, 26496..26627, 26646..26864, 33401..33535		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o4.tw	Method	TBLASTX:Wheat
Start	8175	End	27642
GI	none	Score	115
Exons	8175..8468, 8179..8325, 8517..8747, 8548..8751, 8796..8972, 26787..26903, 27529..27642		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o10.tw	Method	TBLASTX:Wheat
Start	9552	End	9954
GI	none	Score	121
Exons	9552..9953, 9685..9954		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o9.tm	Method	TBLASTX:Maize
Start	22423	End	22689
GI	none	Score	191
Exons	22423..22689, 22434..22580		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o14.tw	Method	TBLASTX:Wheat
Start	22426	End	22689
GI	none	Score	222
Exons	22426..22689, 22426..22596, 22428..22601		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o7.ts	Method	TBLASTX:Soybean
Start	23531	End	23737
GI	none	Score	47
Exons	23531..23737, 23535..23570, 23646..23732		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o7.tw	Method	TBLASTX:Wheat
Start	23939	End	35352
GI	none	Score	383
Exons	23939..24277, 35055..35333, 35056..35352, 35144..35335		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o1.tw	Method	TBLASTX:Wheat

Start	25582	End	34567
GI	none	Score	618
Exons	25582..25710, 34058..34567, 34090..34422, 34136..34468		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o2.tm	Method	TBLASTX:Maize
Start	25585	End	34488
GI	none	Score	473
Exons	25585..25818, 34130..34483, 34132..34488, 34132..34446		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o6.ts	Method	TBLASTX:Soybean
Start	25768	End	34309
GI	none	Score	190
Exons	25768..25956, 34064..34309		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o8.tm	Method	TBLASTX:Maize
Start	28847	End	29215
GI	none	Score	53
Exons	28847..29065, 28944..29060, 29090..29215, 29091..29198		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o12.tw	Method	TBLASTX:Wheat
Start	32645	End	33061
GI	none	Score	135
Exons	32645..32854, 32695..32793, 32876..33061, 32905..33060		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o3.tw	Method	TBLASTX:Wheat
Start	34571	End	35049
GI	none	Score	509
Exons	34571..35014, 34604..35008, 34795..35013, 35014..35049		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o6.tm	Method	TBLASTX:Maize
Start	34694	End	35014
GI	none	Score	271
Exons	34694..35014, 34724..34930, 34804..35013		

Seq. No.	43911	Seq. ID	OJ000350_32.0310.C15
Gene No.	92266	Strand	-
Start	5339	End	35352
Name	OJ000350_32.0310.C15.o3.ts	Method	TBLASTX:Soybean
Start	34838	End	35097

GI	none	Score	175
Exons	34838..35011, 34843..35004, 34996..35097, 35029..35094		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o3.tm	Method	TBLASTX:Maize
Start	225	End	565
GI	none	Score	89
Exons	225..314, 450..563, 452..565		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.gs	Method	GENSCAN
Start	228	End	12103
GI	none	Score	.82
Exons	228..314, 453..584, 1296..1421, 1500..1678, 2932..3016, 3370..3537, 5369..5420, 5482..5661, 5769..5887, 7355..7425, 7519..7636, 8707..8793, 8878..8964, 9040..9116, 10899..11061, 11169..11298, 11804..12103		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.np	Method	AAT/NAP
Start	451	End	3080
GI	7486725	Score	536
Exons	451..648, 1296..1421, 1500..1678, 2932..3080		
GI Descrip.	hypothetical protein F9D12.19 - Arabidopsis thaliana gi\|3319356\|gb\|AAC26245.1\| (AF077407) contains similarity glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o2.tm	Method	TBLASTX:Maize
Start	5450	End	9117
GI	none	Score	272
Exons	5450..5662, 5451..5663, 5763..5882, 5765..5884, 5765..5881, 7350..7421, 7354..7464, 7355..7450, 7359..7463, 7514..7639, 7516..7641, 7520..7651, 8697..8795, 8697..8756, 8701..8796, 8704..8793, 8705..8794, 8875..8964, 8877..8966, 8878..8964, 9037..9081, 9037..9117, 9085..9117		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o2.np	Method	AAT/NAP
Start	5478	End	12193
GI	7486719	Score	1055
Exons	5478..5661, 5769..5887, 7355..7425, 7519..7636, 8707..8793, 8878..8964, 9040..9116, 10899..11117, 11214..11321, 11800..12193		
GI Descrip.	hypothetical protein F9D12.1 - Arabidopsis thaliana gi\|3319357\|gb\|AAC26246.1\| (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.gp	Method	AAT/GAP
Start	5761	End	12193
GI	8873_1.R1084	Score	2240
Exons	5761..5887, 7355..7425, 7519..7636, 8707..8793, 8878..8964, 9040..9116, 10899..11061, 11169..11298, 11804..12193		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o2.tc	Method	TBLASTX:Cress
Start	5774	End	9106
GI	none	Score	140
Exons	5774..5890, 7334..7423, 7355..7495, 7360..7434, 7514..7648, 7517..7612, 7534..7641, 8701..8796, 8703..8735, 8835..8960, 8878..8964, 9037..9090, 9038..9106		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	11159	End	12192
GI	none	Score	71
Exons	11159..11296, 11166..11297, 11802..12191, 11803..12192		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.ts	Method	TBLASTX:Soybean
Start	11800	End	12193
GI	none	Score	438
Exons	11800..11874, 11802..12188, 11803..12192, 11926..12192, 12041..12193		

Seq. No.	43912	Seq. ID	OJ000350_32.0310.C17
Gene No.	92268	Strand	+
Start	228	End	12193
Name	OJ000350_32.0310.C17.o1.tc	Method	TBLASTX:Cress
Start	11808	End	12192
GI	none	Score	371
Exons	11808..11963, 11809..12192, 12012..12191		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92269	Strand	+
Start	1	End	243
Name	OJ000350_32.0310.C18.o1.np	Method	AAT/NAP
Start	1	End	243
GI	7486719	Score	291
Exons	1..243		
GI Descrip.	hypothetical protein F9D12.1 - Arabidopsis thaliana gi\|3319357\|gb\|AAC26246.1\| (AF077407) contains similarity to		

phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92270	Strand	+
Start	3658	End	3718
Name	OJ000350_32.0310.C18.o2.gp	Method	AAT/GAP
Start	3658	End	3718
GI	2312838	Score	72
Exons	3658..3718		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92271	Strand	-
Start	1	End	412
Name	OJ000350_32.0310.C18.o1.gp	Method	AAT/GAP
Start	1	End	412
GI	3490_1.R1084	Score	788
Exons	1..412		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92272	Strand	-
Start	6327	End	6871
Name	OJ000350_32.0310.C18.o3.gp	Method	AAT/GAP
Start	3552	End	3893
GI	LIB3433-003-Q6-K6-G8	Score	595
Exons	3552..3893		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-25 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92272	Strand	-
Start	6327	End	6871
Name	OJ000350_32.0310.C18.o4.gp	Method	AAT/GAP
Start	5220	End	5397
GI	uC-osflcyp089e10b1	Score	324
Exons	5220..5397		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92272	Strand	-
Start	6327	End	6871
Name	OJ000350_32.0310.C18.o2.gs	Method	GENSCAN
Start	6327	End	6871
GI	none	Score	.94
Exons	6327..6388, 6807..6871		

Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92273	Strand	-
Start	7286	End	7938
Name	OJ000350_32.0310.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	240
GI	none	Score	295

Exons	1..240, 3..239		
Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92273	Strand	-
Start	7286	End	7938
Name	OJ000350_32.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	242
GI	none	Score	351
Exons	1..240, 3..242		
Seq. No.	43913	Seq. ID	OJ000350_32.0310.C18
Gene No.	92273	Strand	-
Start	7286	End	7938
Name	OJ000350_32.0310.C18.o5.gp	Method	AAT/GAP
Start	7286	End	7938
GI	LIB3431-051-P1-K1-E4	Score	678
Exons	7286..7563, 7809..7938		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	43914	Seq. ID	OJ000350_32.0310.C19
Gene No.	92274	Strand	+
Start	439	End	464
Name	OJ000350_32.0310.C19.o1.gs	Method	GENSCAN
Start	439	End	464
GI	none	Score	.48
Exons	439..464		
Seq. No.	43914	Seq. ID	OJ000350_32.0310.C19
Gene No.	92275	Strand	-
Start	1513	End	2334
Name	OJ000350_32.0310.C19.o2.gs	Method	GENSCAN
Start	1513	End	2334
GI	none	Score	.83
Exons	1513..1604, 1853..1940, 2062..2334		
Seq. No.	43914	Seq. ID	OJ000350_32.0310.C19
Gene No.	92276	Strand	-
Start	3074	End	4701
Name	OJ000350_32.0310.C19.o3.gs	Method	GENSCAN
Start	3074	End	4701
GI	none	Score	.74
Exons	3074..3224, 3887..4015, 4061..4155, 4477..4701		
Seq. No.	43915	Seq. ID	OJ000350_32.0310.C20
Gene No.	92277	Strand	+
Start	971	End	2758
Name	OJ000350_32.0310.C20.o1.gs	Method	GENSCAN
Start	971	End	2758
GI	none	Score	.6
Exons	971..1100, 1898..1971, 2697..2758		
Seq. No.	43915	Seq. ID	OJ000350_32.0310.C20
Gene No.	92278	Strand	-
Start	3139	End	3386
Name	OJ000350_32.0310.C20.o1.gp	Method	AAT/GAP
Start	3139	End	3386

GI	57713_5.R1084	Score	419
Exons	3139..3386		
GI Descrip.	'6015116/sp\|O82653\|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	43916	Seq. ID	OJ000350_32.0310.C21
Gene No.	92279	Strand	+
Start	6858	End	6924
Name	OJ000350_32.0310.C21.o1.gp	Method	AAT/GAP
Start	6858	End	6924
GI	uC-osroM202024h08a1	Score	85
Exons	6858..6924		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43916	Seq. ID	OJ000350_32.0310.C21
Gene No.	92280	Strand	-
Start	7367	End	9545
Name	OJ000350_32.0310.C21.o2.np	Method	AAT/NAP
Start	7367	End	9545
GI	7340881	Score	354
Exons	7367..7400, 7505..7611, 9029..9300, 9378..9545		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o3.tm	Method	TBLASTX:Maize
Start	346	End	592
GI	none	Score	48
Exons	346..378, 346..387, 380..562, 380..592		

Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o1.gs	Method	GENSCAN
Start	353	End	1188
GI	none	Score	.81
Exons	353..820, 892..1188		

Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o1.np	Method	AAT/NAP
Start	356	End	1472
GI	6983860	Score	1793
Exons	356..1472		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o2.tw	Method	TBLASTX:Wheat
Start	401	End	734
GI	none	Score	44

Exons	401..733, 594..641, 617..730, 660..734		
Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	596	End	1179
GI	none	Score	72
Exons	596..799, 720..803, 723..803, 802..1020, 842..1021, 1016..1171, 1018..1179, 1025..1171, 1027..1173		
Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o1.tw	Method	TBLASTX:Wheat
Start	734	End	1359
GI	none	Score	57
Exons	734..799, 735..812, 805..1359, 808..984, 842..1357		
Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o2.tm	Method	TBLASTX:Maize
Start	1228	End	1471
GI	none	Score	240
Exons	1228..1470, 1232..1471		
Seq. No.	43917	Seq. ID	OJ000350_32.0310.C22
Gene No.	92281	Strand	-
Start	353	End	1472
Name	OJ000350_32.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	1318	End	1467
GI	none	Score	119
Exons	1318..1467, 1319..1456		
Seq. No.	43918	Seq. ID	OJ000350_32.0310.C24
Gene No.	92282	Strand	+
Start	91	End	753
Name	OJ000350_32.0310.C24.o1.gs	Method	GENSCAN
Start	91	End	753
GI	none	Score	.47
Exons	91..205, 599..753		
Seq. No.	43919	Seq. ID	OJ000350_32.0310.C27
Gene No.	92283	Strand	-
Start	1	End	769
Name	OJ000350_32.0310.C27.o1.np	Method	AAT/NAP
Start	1	End	769
GI	7248394	Score	357
Exons	1..169, 437..769		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	43919	Seq. ID	OJ000350_32.0310.C27

Gene No.	92283	Strand	-
Start	1	End	769
Name	OJ000350_32.0310.C27.o1.gs	Method	GENSCAN
Start	129	End	679
GI	none	Score	.4
Exons	129..679		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o1.np	Method	AAT/NAP
Start	1	End	3788
GI	4680179	Score	3657
Exons	1..2134, 2162..3111, 3672..3788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o6.tw	Method	TBLASTX:Wheat
Start	2	End	280
GI	none	Score	92
Exons	2..280, 8..277		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o1.gs	Method	GENSCAN
Start	118	End	4223
GI	none	Score	.54
Exons	118..3175, 3466..3861, 3870..4223		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	311	End	664
GI	none	Score	49
Exons	311..664, 318..350, 326..658, 396..659		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	311	End	737
GI	none	Score	252
Exons	311..694, 311..736, 318..737		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o2.ts	Method	TBLASTX:Soybean
Start	482	End	727
GI	none	Score	210
Exons	482..727		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28

Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o3.tm	Method	TBLASTX:Maize
Start	671	End	1003
GI	none	Score	132
Exons	671..1003, 675..926		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o3.tw	Method	TBLASTX:Wheat
Start	738	End	1012
GI	none	Score	257
Exons	738..992, 738..998, 740..1000, 770..1012		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	752	End	1147
GI	none	Score	171
Exons	752..1003, 762..992, 809..1006, 966..1109, 1031..1111, 1058..1111, 1115..1147, 1115..1147		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o2.tm	Method	TBLASTX:Maize
Start	1058	End	1505
GI	none	Score	124
Exons	1058..1501, 1067..1429, 1323..1505		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o2.tw	Method	TBLASTX:Wheat
Start	1088	End	1574
GI	none	Score	203
Exons	1088..1570, 1130..1567, 1281..1574		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o3.ts	Method	TBLASTX:Soybean
Start	1220	End	1534
GI	none	Score	196
Exons	1220..1534		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o5.tw	Method	TBLASTX:Wheat
Start	1709	End	2056
GI	none	Score	55
Exons	1709..2056, 1746..1877		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28

Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o5.tm	Method	TBLASTX:Maize
Start	1790	End	2110
GI	none	Score	184
Exons	1790..2110		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o4.tw	Method	TBLASTX:Wheat
Start	2411	End	2756
GI	none	Score	54
Exons	2411..2755, 2560..2652, 2625..2756		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o4.tm	Method	TBLASTX:Maize
Start	2456	End	2755
GI	none	Score	47
Exons	2456..2755, 2457..2537, 2608..2637, 2625..2732		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o7.tw	Method	TBLASTX:Wheat
Start	2807	End	2989
GI	none	Score	133
Exons	2807..2989, 2808..2987		

Seq. No.	43920	Seq. ID	OJ000350_32.0310.C28
Gene No.	92284	Strand	-
Start	1	End	4223
Name	OJ000350_32.0310.C28.o2.np	Method	AAT/NAP
Start	3463	End	4223
GI	4512229	Score	1177
Exons	3463..4223		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	43921	Seq. ID	OJ000350_32.0310.C29
Gene No.	92285	Strand	-
Start	129	End	2416
Name	OJ000350_32.0310.C29.o1.np	Method	AAT/NAP
Start	129	End	2416
GI	5852181	Score	136
Exons	129..181, 1397..1533, 2249..2416		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92286	Strand	+
Start	1245	End	1688
Name	OJ000350_39.0314.C2.o1.gp	Method	AAT/GAP
Start	1245	End	1688
GI	none	Score	835
Exons	1245..1688		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92287	Strand	+
Start	1887	End	3743
Name	OJ000350_39.0314.C2.o2.np	Method	AAT/NAP
Start	1887	End	3743
GI	231574	Score	172
Exons	1887..1921, 3204..3384, 3415..3743		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi\|81837\|pir\|\|S22523 asparaginase (EC 3.5.1.1) - tree lupine (fragment) gi\|19137\|emb\|CAA36824\| (X52588) asparaginase [Lupinus arboreus]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92288	Strand	+
Start	10864	End	17534
Name	OJ000350_39.0314.C2.o2.gs	Method	GENSCAN
Start	10864	End	16716
GI	none	Score	.76
Exons	10864..10937, 11463..11617, 11679..11777, 11884..11992, 12015..12125, 12297..12495, 12688..13006, 14389..14457, 15444..15590, 15740..16716		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92288	Strand	+
Start	10864	End	17534
Name	OJ000350_39.0314.C2.o4.np	Method	AAT/NAP
Start	15469	End	15676
GI	6539571	Score	54
Exons	15469..15676		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92288	Strand	+
Start	10864	End	17534
Name	OJ000350_39.0314.C2.o5.np	Method	AAT/NAP
Start	15806	End	17534
GI	82307	Score	638
Exons	15806..16457, 17279..17534		
GI Descrip.	myb protein 306 - garden snapdragon gi\|256828\|bbs\|115017 Myb oncoprotein homolog {clone 306} [Antirrhinum majus=snapdragons, J1:522, flowers, Peptide, 316 aa]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92289	Strand	+
Start	17970	End	19424
Name	OJ000350_39.0314.C2.o6.np	Method	AAT/NAP
Start	17970	End	19424
GI	7106528	Score	122
Exons	17970..18031, 19296..19424		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92290	Strand	-
Start	2666	End	5739
Name	OJ000350_39.0314.C2.o1.gs	Method	GENSCAN
Start	2666	End	5739

GI	none	Score	.88
Exons	2666..3105, 3128..3279, 3285..3477, 3521..3700, 5616..5739		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92291	Strand	-
Start	8600	End	8764
Name	OJ000350_39.0314.C2.o3.np	Method	AAT/NAP
Start	8600	End	8764
GI	7340866	Score	120
Exons	8600..8764		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92292	Strand	-
Start	17472	End	17525
Name	OJ000350_39.0314.C2.o2.gp	Method	AAT/GAP
Start	17472	End	17525
GI	LIB3477-003-P1-K1-E9	Score	60
Exons	17472..17525		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	385	End	1468
GI	none	Score	89
Exons	385..453, 399..446, 1013..1114, 1015..1113, 1032..1118, 1255..1416, 1257..1424, 1260..1415, 1261..1416, 1331..1468		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o2.ts	Method	TBLASTX:Soybean
Start	3203	End	3689
GI	none	Score	128
Exons	3203..3292, 3204..3293, 3405..3506, 3405..3506, 3406..3507, 3406..3510, 3504..3560, 3505..3558, 3505..3561, 3573..3689, 3578..3688		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o2.tm	Method	TBLASTX:Maize
Start	3510	End	3689
GI	none	Score	62
Exons	3510..3560, 3511..3558, 3511..3561, 3573..3689, 3573..3674, 3575..3688		

Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o1.tm	Method	TBLASTX:Maize
Start	15767	End	16138
GI	none	Score	530

Exons	15767..16138, 15805..15924, 16060..16134		
Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o1.tw	Method	TBLASTX:Wheat
Start	15797	End	16144
GI	none	Score	424
Exons	15797..16144, 15808..15921, 16006..16140		
Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	15805	End	16285
GI	none	Score	577
Exons	15805..15924, 15806..16153, 16060..16152, 16205..16285		
Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	15811	End	16153
GI	none	Score	467
Exons	15811..15921, 15812..16153		
Seq. No.	43922	Seq. ID	OJ000350_39.0314.C2
Gene No.	92293	Strand	-
Start	20258	End	20526
Name	OJ000350_39.0314.C2.o3.gs	Method	GENSCAN
Start	20258	End	20526
GI	none	Score	.63
Exons	20258..20387, 20489..20526		
Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92294	Strand	+
Start	3221	End	3733
Name	OJ000350_39.0314.C3.o1.gp	Method	AAT/GAP
Start	3221	End	3733
GI	38782_1.R1084	Score	826
Exons	3221..3733		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92295	Strand	+
Start	5792	End	12568
Name	OJ000350_39.0314.C3.o1.np	Method	AAT/NAP
Start	5792	End	11123
GI	7106512	Score	1828
Exons	5792..5961, 6053..6267, 6672..7855, 8317..8670, 11099..11123		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92295	Strand	+
Start	5792	End	12568

Name	OJ000350_39.0314.C3.o3.gs	Method	GENSCAN
Start	6660	End	12568
GI	none	Score	.62
Exons	6660..7750, 8270..8664, 9884..10011, 11656..11752, 12417..12568		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92296	Strand	+
Start	16420	End	17812
Name	OJ000350_39.0314.C3.o5.gs	Method	GENSCAN
Start	16420	End	17812
GI	none	Score	.77
Exons	16420..16475, 17626..17812		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92297	Strand	+
Start	21163	End	23884
Name	OJ000350_39.0314.C3.o2.np	Method	AAT/NAP
Start	21160	End	23884
GI	6752888	Score	2158
Exons	21160..21801, 21927..22137, 22227..22521, 22651..23040, 23497..23574, 23662..23884		
GI Descrip.	(AF220204) unknown [Malus domestica]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92297	Strand	+
Start	21163	End	23884
Name	OJ000350_39.0314.C3.o7.gs	Method	GENSCAN
Start	21163	End	23884
GI	none	Score	.79
Exons	21163..21801, 21927..22137, 22227..22521, 22609..23040, 23497..23574, 23662..23884		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92298	Strand	+
Start	27409	End	28953
Name	OJ000350_39.0314.C3.o3.gp	Method	AAT/GAP
Start	27152	End	27492
GI	2311243	Score	350
Exons	27152..27254, 27374..27492		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92298	Strand	+
Start	27409	End	28953
Name	OJ000350_39.0314.C3.o8.gs	Method	GENSCAN
Start	27409	End	28953
GI	none	Score	.79
Exons	27409..27479, 27910..28028, 28200..28357, 28513..28953		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92298	Strand	+
Start	27409	End	28953
Name	OJ000350_39.0314.C3.o4.gp	Method	AAT/GAP
Start	27910	End	28028
GI	2311243	Score	190
Exons	27910..28028		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3

Gene No.	92299	Strand	+
Start	30341	End	32630
Name	OJ000350_39.0314.C3.o4.np	Method	AAT/NAP
Start	30341	End	32630
GI	5758910	Score	195
Exons	30341..30366, 32234..32630		
GI Descrip.	(AF168942) ATP synthase beta subunit [Ruscus aculeatus]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92300	Strand	+
Start	33073	End	35775
Name	OJ000350_39.0314.C3.o5.gp	Method	AAT/GAP
Start	32993	End	34046
GI	16929_1.R1084	Score	868
Exons	32993..33100, 33682..34046		
GI Descrip.	'4506745/ref\|NP_001004.1\|pRPS9\| 5.0e-35 ribosomal protein S9 >gi_1173285_sp_P46781_RS9_HUMAN 40S RIBOSOMAL PROTEIN S9 >gi_1362936_pir__S55917 ribosomal protein S9 - human >gi_550023 (U14971) ribosomal protein S9 [Homo sapiens] >gi_1096943_prf__2113200F ribosomal protein S9 [Homo sapiens]'		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92300	Strand	+
Start	33073	End	35775
Name	OJ000350_39.0314.C3.o10.gs	Method	GENSCAN
Start	33073	End	35775
GI	none	Score	.82
Exons	33073..33100, 33682..33796, 33830..34013, 35413..35775		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92300	Strand	+
Start	33073	End	35775
Name	OJ000350_39.0314.C3.o5.np	Method	AAT/NAP
Start	33073	End	35018
GI	6440857	Score	548
Exons	33073..33100, 33682..34063, 34857..35018		
GI Descrip.	(AU066528) 40S ribosomal protein S9 [Chlamydomonas sp.]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92300	Strand	+
Start	33073	End	35775
Name	OJ000350_39.0314.C3.o6.gp	Method	AAT/GAP
Start	34987	End	35218
GI	426673	Score	392
Exons	34987..35218		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92301	Strand	+
Start	38246	End	38698
Name	OJ000350_39.0314.C3.o11.gs	Method	GENSCAN
Start	38246	End	38511
GI	none	Score	.92
Exons	38246..38511		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92301	Strand	+
Start	38246	End	38698

Name	OJ000350_39.0314.C3.o7.np	Method	AAT/NAP
Start	38246	End	38698
GI	5734781	Score	86
Exons	38246..38516, 38671..38698		
GI Descrip.	(AC007980) 89719 [Arabidopsis thaliana]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92302	Strand	-
Start	1038	End	5089
Name	OJ000350_39.0314.C3.o1.gs	Method	GENSCAN
Start	1038	End	5089
GI	none	Score	.66
Exons	1038..1489, 2028..2185, 2281..2427, 2463..2731, 3325..3438, 3548..3676, 4881..4920, 4971..5089		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92303	Strand	-
Start	5476	End	6248
Name	OJ000350_39.0314.C3.o2.gs	Method	GENSCAN
Start	5476	End	6248
GI	none	Score	.94
Exons	5476..5492, 5786..6086, 6135..6248		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92304	Strand	-
Start	18784	End	20516
Name	OJ000350_39.0314.C3.o6.gs	Method	GENSCAN
Start	18784	End	20516
GI	none	Score	.76
Exons	18784..19236, 19750..19983, 20448..20516		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o1.tc	Method	TBLASTX:Cress
Start	21217	End	22925
GI	none	Score	119
Exons	21217..21294, 21219..21293, 21230..21304, 21298..21360, 21352..21804, 21365..21538, 21394..21801, 21396..21809, 21904..22140, 21926..22153, 21927..22136, 21973..22140, 22216..22479, 22217..22522, 22226..22522, 22649..22672, 22651..22917, 22652..22924, 22712..22924, 22746..22925		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o4.tm	Method	TBLASTX:Maize
Start	21217	End	21537
GI	none	Score	356
Exons	21217..21537, 21222..21353, 21427..21537		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o1.ts	Method	TBLASTX:Soybean
Start	21217	End	23886
GI	none	Score	115

Exons	21217..21306, 21219..21302, 21298..21360, 21394..21804, 21397..21801, 21411..21809, 21926..22135, 21926..22135, 21927..22136, 22219..22467, 22220..22477, 22649..22969, 22652..22990, 22806..22979, 22873..22983, 22988..23041, 22997..23053, 23492..23575, 23497..23565, 23497..23577, 23498..23575, 23633..23878, 23690..23863, 23719..23886, 23739..23879		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o2.tw	Method	TBLASTX:Wheat
Start	21592	End	22096
GI	none	Score	252
Exons	21592..21804, 21592..21801, 21621..21809, 21913..22080, 21926..22036, 21926..22096, 21927..22094		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	21696	End	22918
GI	none	Score	80
Exons	21696..21752, 21697..21750, 21751..21804, 21753..21809, 21926..22135, 21927..22136, 22060..22143, 22216..22524, 22217..22522, 22228..22530, 22651..22821, 22652..22918, 22870..22917		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o4.tw	Method	TBLASTX:Wheat
Start	22216	End	22717
GI	none	Score	397
Exons	22216..22524, 22217..22522, 22227..22529, 22228..22530, 22607..22717, 22651..22716		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o3.tw	Method	TBLASTX:Wheat
Start	22718	End	23728
GI	none	Score	422
Exons	22718..23041, 22729..22821, 22870..23046, 23497..23577, 23498..23575, 23642..23728		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o3.tc	Method	TBLASTX:Cress
Start	22988	End	23863
GI	none	Score	87
Exons	22988..23041, 23492..23587, 23498..23572, 23642..23863, 23659..23862		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-

Start	29472	End	37343
Name	OJ000350_39.0314.C3.o3.tm	Method	TBLASTX:Maize
Start	22997	End	23923
GI	none	Score	70
Exons	22997..23041, 23492..23530, 23498..23530, 23630..23923, 23633..23920		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o5.tw	Method	TBLASTX:Wheat
Start	28234	End	28785
GI	none	Score	35
Exons	28234..28269, 28235..28261, 28246..28365, 28266..28376, 28267..28350, 28290..28358, 28301..28363, 28512..28643, 28513..28644, 28515..28646, 28653..28709, 28668..28700, 28714..28785, 28715..28774		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o9.gs	Method	GENSCAN
Start	29472	End	31635
GI	none	Score	.74
Exons	29472..29617, 29631..29811, 29891..30080, 31106..31635		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o5.tm	Method	TBLASTX:Maize
Start	29600	End	29953
GI	none	Score	113
Exons	29600..29770, 29601..29771, 29602..29772, 29603..29773, 29773..29811, 29773..29811, 29774..29818, 29861..29953, 29888..29947		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o3.np	Method	AAT/NAP
Start	29620	End	31635
GI	3461815	Score	653
Exons	29620..29811, 29891..30080, 31106..31635		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o6.tm	Method	TBLASTX:Maize
Start	30041	End	31635
GI	none	Score	45
Exons	30041..30079, 31105..31227, 31336..31380, 31352..31381, 31412..31510, 31421..31489, 31462..31512, 31603..31635		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343

Name	OJ000350_39.0314.C3.o6.np	Method	AAT/NAP
Start	31194	End	37343
GI	7340884	Score	94
Exons	31194..31306, 37202..37343		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o3.ts	Method	TBLASTX:Soybean
Start	32316	End	32634
GI	none	Score	103
Exons	32316..32423, 32317..32424, 32318..32452, 32319..32453, 32446..32631, 32451..32630, 32458..32634		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o4.tc	Method	TBLASTX:Cress
Start	32316	End	32660
GI	none	Score	103
Exons	32316..32423, 32317..32424, 32319..32462, 32446..32631, 32451..32660		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o7.tm	Method	TBLASTX:Maize
Start	32316	End	32634
GI	none	Score	108
Exons	32316..32423, 32318..32452, 32319..32462, 32451..32630, 32458..32634, 32459..32632		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o1.tw	Method	TBLASTX:Wheat
Start	33672	End	34905
GI	none	Score	531
Exons	33672..34079, 33683..33883, 33699..34061, 33944..34069, 34854..34904, 34855..34905		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o2.tc	Method	TBLASTX:Cress
Start	33672	End	34972
GI	none	Score	536
Exons	33672..34079, 33702..34088, 34854..34904, 34855..34905, 34910..34960, 34943..34972		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o2.tm	Method	TBLASTX:Maize
Start	33672	End	34991

GI	none	Score	574
Exons	33672..34079, 33702..34085, 34854..34898, 34854..34904, 34855..34905, 34900..34944, 34904..34975, 34908..34985, 34942..34971, 34965..34991		

Seq. No.	43923	Seq. ID	OJ000350_39.0314.C3
Gene No.	92305	Strand	-
Start	29472	End	37343
Name	OJ000350_39.0314.C3.o2.ts	Method	TBLASTX:Soybean
Start	33672	End	34987
GI	none	Score	530
Exons	33672..34079, 33708..34085, 34854..34904, 34855..34905, 34910..34987, 34943..34972		

Seq. No.	43924	Seq. ID	OJ000350_39.0314.C4
Gene No.	92306	Strand	+
Start	959	End	1385
Name	OJ000350_39.0314.C4.o1.gs	Method	GENSCAN
Start	959	End	1385
GI	none	Score	.53
Exons	959..1070, 1282..1385		

Seq. No.	43925	Seq. ID	OJ000350_39.0314.C6
Gene No.	92307	Strand	-
Start	598	End	2571
Name	OJ000350_39.0314.C6.o1.gs	Method	GENSCAN
Start	598	End	2571
GI	none	Score	.58
Exons	598..711, 2538..2571		

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o3.np	Method	AAT/NAP
Start	1	End	6285
GI	2492894	Score	73
Exons	1..36, 1980..2137, 6246..6285		
GI Descrip.	ADENYLATE CYCLASE (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) gi\|2133319\|pir\|\|JC4747 adenylate cyclase (EC 4.6.1.1) - Podospora anserina gi\|1480208 (L43413) adenyl cyclase [Podospora anserina]		

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o1.gs	Method	GENSCAN
Start	557	End	4442
GI	none	Score	.74
Exons	557..2712, 2907..2961, 3573..3701, 4316..4442		

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o1.np	Method	AAT/NAP
Start	684	End	1012
GI	4587256	Score	517
Exons	684..1012		

GI Descrip. (AB022172) T580-9 [Oryza sativa]

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o2.tm	Method	TBLASTX:Maize
Start	1326	End	1748
GI	none	Score	196
Exons	1326..1580, 1340..1570, 1598..1672, 1608..1748, 1712..1747		

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	1879	End	2313
GI	none	Score	255
Exons	1879..2094, 1887..2135, 1895..2146, 2138..2305, 2142..2309, 2146..2313		

Seq. No.	43926	Seq. ID	OJ000350_39.0314.C7
Gene No.	92308	Strand	+
Start	1	End	6285
Name	OJ000350_39.0314.C7.o3.tm	Method	TBLASTX:Maize
Start	2327	End	2672
GI	none	Score	102
Exons	2327..2431, 2328..2462, 2498..2671, 2502..2672		

Seq. No.	43927	Seq. ID	OJ000350_38.0313.C4
Gene No.	92309	Strand	+
Start	430	End	633
Name	OJ000350_38.0313.C4.o1.gs	Method	GENSCAN
Start	430	End	633
GI	none	Score	.48
Exons	430..633		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92310	Strand	+
Start	1	End	2567
Name	OJ000350_38.0313.C7.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	7228457	Score	897
Exons	1..1161		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92310	Strand	+
Start	1	End	2567
Name	OJ000350_38.0313.C7.o1.gs	Method	GENSCAN
Start	322	End	2567
GI	none	Score	.55
Exons	322..814, 1280..1407, 1867..2041, 2100..2142, 2214..2292, 2409..2567		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92311	Strand	+

Start	7764	End	11992
Name	OJ000350_38.0313.C7.o3.gs	Method	GENSCAN
Start	7764	End	11881
GI	none	Score	.54
Exons	7764..7793, 8756..8995, 9087..9237, 9885..11881		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92311	Strand	+
Start	7764	End	11992
Name	OJ000350_38.0313.C7.o2.np	Method	AAT/NAP
Start	9878	End	11992
GI	4680179	Score	3032
Exons	9878..11992		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o5.tw	Method	TBLASTX:Wheat
Start	243	End	459
GI	none	Score	197
Exons	243..458, 244..459		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o5.tm	Method	TBLASTX:Maize
Start	253	End	567
GI	none	Score	134
Exons	253..456, 264..455, 454..567, 465..548		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o1.tw	Method	TBLASTX:Wheat
Start	478	End	11614
GI	none	Score	91
Exons	478..633, 667..795, 10988..11614, 11044..11502, 11081..11611		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o2.gs	Method	GENSCAN
Start	2656	End	6160
GI	none	Score	.73
Exons	2656..3216, 3322..3552, 3623..3757, 3882..4006, 4079..4206, 4318..4509, 4667..4916, 4921..5062, 5200..5303, 5308..5380, 5622..5736, 6159..6160		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o4.tm	Method	TBLASTX:Maize
Start	9878	End	10054
GI	none	Score	210
Exons	9878..10054, 9883..10053, 9893..10054		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o3.tw	Method	TBLASTX:Wheat
Start	9989	End	10411
GI	none	Score	594
Exons	9989..10411, 10021..10410		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o2.ts	Method	TBLASTX:Soybean
Start	9995	End	10240
GI	none	Score	207
Exons	9995..10240, 10012..10239		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o2.tm	Method	TBLASTX:Maize
Start	10060	End	10423
GI	none	Score	482
Exons	10060..10410, 10061..10414, 10061..10423		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o2.tw	Method	TBLASTX:Wheat
Start	10414	End	10981
GI	none	Score	650
Exons	10414..10980, 10448..10981		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o1.tc	Method	TBLASTX:Cress
Start	10688	End	11005
GI	none	Score	90
Exons	10688..10861, 10862..11005, 10864..11004		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o1.ts	Method	TBLASTX:Soybean
Start	10769	End	11029
GI	none	Score	296
Exons	10769..11029, 10774..11028		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o3.tm	Method	TBLASTX:Maize
Start	10827	End	11119
GI	none	Score	89
Exons	10827..10988, 10828..11115, 10829..11119		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7

Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o1.tm	Method	TBLASTX:Maize
Start	11167	End	11767
GI	none	Score	221
Exons	11167..11310, 11168..11329, 11171..11323, 11327..11767, 11329..11751		

Seq. No.	43928	Seq. ID	OJ000350_38.0313.C7
Gene No.	92312	Strand	-
Start	2656	End	11947
Name	OJ000350_38.0313.C7.o4.tw	Method	TBLASTX:Wheat
Start	11614	End	11947
GI	none	Score	315
Exons	11614..11883, 11615..11947, 11618..11926		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o2.np	Method	AAT/NAP
Start	1	End	5135
GI	6063554	Score	318
Exons	1..45, 3405..3625, 4294..4325, 4962..5135		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o5.np	Method	AAT/NAP
Start	1	End	12143
GI	4680183	Score	204
Exons	1..22, 11348..11443, 12054..12143		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o1.gp	Method	AAT/GAP
Start	340	End	721
GI	uC-osflcyp033a04b1	Score	683
Exons	340..721		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o1.gs	Method	GENSCAN
Start	518	End	6739
GI	none	Score	.53
Exons	518..589, 2033..2259, 2269..2351, 2961..3011, 3255..3381, 3386..3638, 3712..3869, 6619..6739		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+

Start	1	End	12143
Name	OJ000350_38.0313.C8.o3.np	Method	AAT/NAP
Start	5490	End	7570
GI	7489374	Score	180
Exons	5490..5680, 5776..6145, 7532..7570		
GI Descrip.	hypothetical protein - barley gi\|1666236\|gb\|AAB18645.1\| (U76261) unknown [Hordeum vulgare]		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o2.gs	Method	GENSCAN
Start	7562	End	9055
GI	none	Score	.48
Exons	7562..9055		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o4.np	Method	AAT/NAP
Start	8315	End	9777
GI	7488857	Score	270
Exons	8315..8839, 9583..9777		
GI Descrip.	hypothetical protein - fava bean (fragment) gi\|2522230\|dbj\|BAA22788.1\| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92313	Strand	+
Start	1	End	12143
Name	OJ000350_38.0313.C8.o3.gs	Method	GENSCAN
Start	9697	End	11470
GI	none	Score	.67
Exons	9697..9844, 11373..11470		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92314	Strand	-
Start	273	End	1364
Name	OJ000350_38.0313.C8.o1.np	Method	AAT/NAP
Start	273	End	1364
GI	4680186	Score	378
Exons	273..473, 1311..1364		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92315	Strand	-
Start	5509	End	5782
Name	OJ000350_38.0313.C8.o3.gp	Method	AAT/GAP
Start	5509	End	5782
GI	61605_1.R1084	Score	460
Exons	5509..5782		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92316	Strand	
Start	5777	End	6085

Name	OJ000350_38.0313.C8.o2.tw	Method	TBLASTX:Wheat
Start	5777	End	6085
GI	none	Score	76
Exons	5777..5854, 5870..6085		

Seq. No.	43929	Seq. ID	OJ000350_38.0313.C8
Gene No.	92317	Strand	
Start	8354	End	8725
Name	OJ000350_38.0313.C8.o1.tw	Method	TBLASTX:Wheat
Start	8354	End	8725
GI	none	Score	112
Exons	8354..8497, 8540..8725, 8542..8718		

Seq. No.	43930	Seq. ID	OJ000350_38.0313.C9
Gene No.	92318	Strand	-
Start	903	End	2602
Name	OJ000350_38.0313.C9.o1.np	Method	AAT/NAP
Start	903	End	2602
GI	7446179	Score	91
Exons	903..959, 2407..2602		
GI Descrip.	myb-related protein 3 - rice gi\|2605621\|dbj\|BAA23339.1\| (D88619) OSMYB3 [Oryza sativa]		

Seq. No.	43931	Seq. ID	OJ000350_38.0313.C10
Gene No.	92319	Strand	+
Start	1	End	1575
Name	OJ000350_38.0313.C10.o1.np	Method	AAT/NAP
Start	1	End	1575
GI	6907087	Score	498
Exons	1..217, 262..928, 1474..1575		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43931	Seq. ID	OJ000350_38.0313.C10
Gene No.	92320	Strand	-
Start	1971	End	3919
Name	OJ000350_38.0313.C10.o2.np	Method	AAT/NAP
Start	1971	End	3919
GI	4680186	Score	162
Exons	1971..2172, 3901..3919		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43931	Seq. ID	OJ000350_38.0313.C10
Gene No.	92321	Strand	-
Start	5036	End	5319
Name	OJ000350_38.0313.C10.o2.gs	Method	GENSCAN
Start	5036	End	5319
GI	none	Score	.63
Exons	5036..5170, 5221..5319		

Seq. No.	43932	Seq. ID	OJ000350_38.0313.C11
Gene No.	92322	Strand	-
Start	432	End	2960
Name	OJ000350_38.0313.C11.o1.gs	Method	GENSCAN
Start	432	End	2855
GI	none	Score	.62

Exons	432..955, 2528..2855		
Seq. No.	43932	Seq. ID	OJ000350_38.0313.C11
Gene No.	92322	Strand	-
Start	432	End	2960
Name	OJ000350_38.0313.C11.o1.np	Method	AAT/NAP
Start	2453	End	2960
GI	4680339	Score	81
Exons	2453..2728, 2879..2960		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92323	Strand	+
Start	6774	End	7560
Name	OJ000350_38.0313.C12.o3.gs	Method	GENSCAN
Start	6774	End	7560
GI	none	Score	.83
Exons	6774..6887, 6996..7100, 7144..7560		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92324	Strand	-
Start	4289	End	6015
Name	OJ000350_38.0313.C12.o2.gs	Method	GENSCAN
Start	4289	End	6015
GI	none	Score	.77
Exons	4289..4471, 4645..4727, 4856..4942, 5595..5708, 6000..6015		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92325	Strand	-
Start	8820	End	8932
Name	OJ000350_38.0313.C12.o4.gs	Method	GENSCAN
Start	8820	End	8932
GI	none	Score	.44
Exons	8820..8932		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92326	Strand	
Start	8913	End	9238
Name	OJ000350_38.0313.C12.o2.tw	Method	TBLASTX:Wheat
Start	8913	End	9238
GI	none	Score	124
Exons	8913..9038, 8915..9037, 9039..9101, 9053..9118, 9128..9238, 9167..9217		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92327	Strand	
Start	9242	End	10005
Name	OJ000350_38.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	9242	End	10005
GI	none	Score	57
Exons	9242..9283, 9299..9385, 9541..9786, 9769..9951, 9928..10005		
Seq. No.	43933	Seq. ID	OJ000350_38.0313.C12
Gene No.	92327	Strand	
Start	9242	End	10005
Name	OJ000350_38.0313.C12.o1.tw	Method	TBLASTX:Wheat
Start	9541	End	9867

GI	none	Score	339
Exons	9541..9867, 9591..9866		

Seq. No.	43934	Seq. ID	OJ000350_38.0313.C13
Gene No.	92328	Strand	
Start	6	End	283
Name	OJ000350_38.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	6	End	283
GI	none	Score	252
Exons	6..281, 50..283		

Seq. No.	43935	Seq. ID	OJ000350_38.0313.C14
Gene No.	92329	Strand	+
Start	2558	End	8679
Name	OJ000350_38.0313.C14.o1.gs	Method	GENSCAN
Start	2558	End	8611
GI	none	Score	.6
Exons	2558..2735, 3764..3873, 4805..4911, 5045..5313, 5961..6152, 6970..7057, 7801..7913, 8165..8551, 8553..8611		

Seq. No.	43935	Seq. ID	OJ000350_38.0313.C14
Gene No.	92329	Strand	+
Start	2558	End	8679
Name	OJ000350_38.0313.C14.o1.np	Method	AAT/NAP
Start	2653	End	8679
GI	6069667	Score	925
Exons	2653..2800, 3299..3406, 3764..3873, 4805..4985, 5045..5073, 5105..5316, 8629..8679		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	43935	Seq. ID	OJ000350_38.0313.C14
Gene No.	92329	Strand	+
Start	2558	End	8679
Name	OJ000350_38.0313.C14.o2.np	Method	AAT/NAP
Start	6108	End	8545
GI	6063554	Score	248
Exons	6108..6152, 7769..8071, 8341..8545		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43936	Seq. ID	OJ000350_38.0313.C15
Gene No.	92330	Strand	+
Start	1	End	2843
Name	OJ000350_38.0313.C15.o1.np	Method	AAT/NAP
Start	1	End	828
GI	6063554	Score	258
Exons	1..35, 654..828		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43936	Seq. ID	OJ000350_38.0313.C15
Gene No.	92330	Strand	+
Start	1	End	2843
Name	OJ000350_38.0313.C15.o2.np	Method	AAT/NAP
Start	1	End	2843

GI	5042463	Score	85
Exons	1..58, 1533..1753, 2463..2594, 2646..2843		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	43936	Seq. ID	OJ000350_38.0313.C15
Gene No.	92330	Strand	+
Start	1	End	2843
Name	OJ000350_38.0313.C15.o3.gp	Method	AAT/GAP
Start	1194	End	1430
GI	61605_3.R1084	Score	354
Exons	1194..1430		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	43936	Seq. ID	OJ000350_38.0313.C15
Gene No.	92331	Strand	-
Start	1	End	178
Name	OJ000350_38.0313.C15.o1.gp	Method	AAT/GAP
Start	1	End	178
GI	101153_1.R1084	Score	316
Exons	1..178		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92332	Strand	+
Start	79	End	575
Name	OJ000350_38.0313.C16.o1.gs	Method	GENSCAN
Start	79	End	575
GI	none	Score	1
Exons	79..575		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92333	Strand	+
Start	2221	End	2589
Name	OJ000350_38.0313.C16.o2.gs	Method	GENSCAN
Start	2221	End	2589
GI	none	Score	.91
Exons	2221..2589		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92334	Strand	+
Start	5670	End	7555
Name	OJ000350_38.0313.C16.o2.np	Method	AAT/NAP
Start	5537	End	7555
GI	7339707	Score	169
Exons	5537..5749, 6455..6828, 6890..6982, 7447..7555		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92334	Strand	+
Start	5670	End	7555
Name	OJ000350_38.0313.C16.o4.gs	Method	GENSCAN
Start	5670	End	5873
GI	none	Score	.82
Exons	5670..5691, 5773..5873		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92334	Strand	+
Start	5670	End	7555
Name	OJ000350_38.0313.C16.o4.np	Method	AAT/NAP
Start	7128	End	7233
GI	5777617	Score	87
Exons	7128..7233		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o1.tm	Method	TBLASTX:Maize
Start	962	End	1685
GI	none	Score	72
Exons	962..1087, 966..1097, 968..1099, 969..1094, 987..1088, 994..1098, 1124..1252, 1126..1251, 1139..1261, 1139..1273, 1156..1239, 1162..1254, 1165..1284, 1167..1286, 1169..1288, 1170..1277, 1170..1253, 1266..1391, 1276..1422, 1287..1409, 1288..1416, 1288..1416, 1295..1399, 1300..1416, 1302..1403, 1303..1407, 1303..1416, 1309..1410, 1422..1496, 1425..1502, 1461..1604, 1510..1647, 1510..1611, 1517..1543, 1517..1600, 1519..1608, 1519..1617, 1522..1608, 1522..1644, 1523..1648, 1531..1635, 1623..1685		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o3.gs	Method	GENSCAN
Start	2828	End	4780
GI	none	Score	.83
Exons	2828..2853, 3000..3118, 3472..3497, 3608..4005, 4096..4422, 4442..4658, 4766..4780		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o1.np	Method	AAT/NAP
Start	3365	End	6826
GI	7339707	Score	185
Exons	3365..3518, 3556..3575, 3638..3696, 4587..4881, 5365..5468, 5682..5834, 6291..6514, 6594..6826		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o1.tc	Method	TBLASTX:Cress
Start	3773	End	4006
GI	none	Score	160
Exons	3773..4006, 3774..4004		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o1.ts	Method	TBLASTX:Soybean
Start	4236	End	4472

GI	none	Score	78
Exons	4236..4361, 4238..4360, 4361..4429, 4425..4472		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o5.gs	Method	GENSCAN
Start	6314	End	7464
GI	none	Score	.78
Exons	6314..6805, 7241..7464		

Seq. No.	43937	Seq. ID	OJ000350_38.0313.C16
Gene No.	92335	Strand	-
Start	2828	End	7555
Name	OJ000350_38.0313.C16.o3.np	Method	AAT/NAP
Start	6411	End	7555
GI	2464913	Score	121
Exons	6411..6630, 7528..7555		
GI Descrip.	(Z99708) sugar transporter like protein [Arabidopsis thaliana]		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92336	Strand	+
Start	64	End	4239
Name	OJ000350_38.0313.C17.o1.gs	Method	GENSCAN
Start	64	End	3996
GI	none	Score	.67
Exons	64..173, 206..490, 504..850, 1397..1487, 1880..1955, 2196..2272, 2363..2565, 3020..3230, 3332..3430, 3463..3661, 3824..3996		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92336	Strand	+
Start	64	End	4239
Name	OJ000350_38.0313.C17.o1.gp	Method	AAT/GAP
Start	1359	End	4239
GI	998_5.R1084	Score	2505
Exons	1359..1487, 1880..1955, 2196..2272, 2363..2565, 3020..3230, 3332..3430, 3508..3661, 3824..4239		
GI Descrip.	'3913517/sp\|Q40639\|DPNP_ORYSA 0.0e+00 3''(2''),5''-BISPHOSPHATE NUCLEOTIDASE (3''(2''),5-BISPHOSPHONUCLEOSIDE 3''(2'')-PHOSPHOHYDROLASE) (DPNPASE) >gi_1109672 (U33283) 3''(2''),5-diphosphonucleoside 3''(2'') phosphohydrolase [Oryza sativa] >gi_1586671_prf__2204308A diphosphonucleoside phosphohydrolase [Oryza sativa]'		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92336	Strand	+
Start	64	End	4239
Name	OJ000350_38.0313.C17.o1.np	Method	AAT/NAP
Start	1404	End	3993
GI	3913517	Score	1572
Exons	1404..1487, 1880..1955, 2196..2272, 2363..2565, 3020..3230, 3332..3430, 3508..3661, 3824..3993		
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi\|7489522\|pir\|\|T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi\|1109672\|gb\|AAC49121.1\| (U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase		

[Oryza sativa] gi|1586671|prf||2204308A diphosphonucleoside phosphohydrolase [Oryza sativ

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92337	Strand	+
Start	4469	End	7629
Name	OJ000350_38.0313.C17.o2.gs	Method	GENSCAN
Start	4469	End	7623
GI	none	Score	.96
Exons	4469..4573, 4786..4861, 5028..5101, 5190..5392, 6705..6912, 7018..7116, 7200..7353, 7460..7623		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17												
Gene No.	92337	Strand	+												
Start	4469	End	7629												
Name	OJ000350_38.0313.C17.o2.np	Method	AAT/NAP												
Start	4490	End	7026												
GI	3913517	Score	636												
Exons	4490..4573, 4786..4861, 5028..5101, 5190..5392, 6705..7026														
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi	7489522	pir		T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi	1109672	gb	AAC49121.1	(U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase [Oryza sativa] gi	1586671	prf		2204308A diphosphonucleoside phosphohydrolase [Oryza sativ		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17												
Gene No.	92337	Strand	+												
Start	4469	End	7629												
Name	OJ000350_38.0313.C17.o3.np	Method	AAT/NAP												
Start	5262	End	7629												
GI	3913517	Score	850												
Exons	5262..5392, 6705..6912, 7018..7116, 7200..7353, 7460..7629														
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi	7489522	pir		T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi	1109672	gb	AAC49121.1	(U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase [Oryza sativa] gi	1586671	prf		2204308A diphosphonucleoside phosphohydrolase [Oryza sativ		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17												
Gene No.	92337	Strand	+												
Start	4469	End	7629												
Name	OJ000350_38.0313.C17.o4.np	Method	AAT/NAP												
Start	5364	End	7629												
GI	3913517	Score	722												
Exons	5364..5392, 6705..6912, 7018..7116, 7200..7353, 7460..7629														
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi	7489522	pir		T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi	1109672	gb	AAC49121.1	(U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase [Oryza sativa] gi	1586671	prf		2204308A diphosphonucleoside phosphohydrolase [Oryza sativ		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92337	Strand	+
Start	4469	End	7629
Name	OJ000350_38.0313.C17.o5.np	Method	AAT/NAP
Start	5447	End	7629
GI	3913517	Score	670
Exons	5447..5470, 6704..6912, 7018..7116, 7200..7353, 7460..7629		
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi\|7489522\|pir\|\|T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi\|1109672\|gb\|AAC49121.1\| (U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase [Oryza sativa] gi\|1586671\|prf\|\|2204308A diphosphonucleoside phosphohydrolase [Oryza sativ		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92337	Strand	+
Start	4469	End	7629
Name	OJ000350_38.0313.C17.o6.np	Method	AAT/NAP
Start	5553	End	7629
GI	3913517	Score	668
Exons	5553..5594, 6705..6912, 7018..7116, 7200..7353, 7460..7629		
GI Descrip.	3'(2'),5'-BISPHOSPHATE NUCLEOTIDASE (3'(2'),5-BISPHOSPHONUCLEOSIDE 3'(2')-PHOSPHOHYDROLASE) (DPNPASE) gi\|7489522\|pir\|\|T03305 probable 3'(2'),5'-bisphosphate nucleotidase (EC 3.1.3.7) - rice gi\|1109672\|gb\|AAC49121.1\| (U33283) 3'(2'),5-diphosphonucleoside 3'(2') phosphohydrolase [Oryza sativa] gi\|1586671\|prf\|\|2204308A diphosphonucleoside phosphohydrolase [Oryza sativ		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92338	Strand	+
Start	14370	End	16994
Name	OJ000350_38.0313.C17.o5.gs	Method	GENSCAN
Start	14370	End	16994
GI	none	Score	.59
Exons	14370..14744, 14828..14877, 15834..16003, 16798..16994		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92338	Strand	+
Start	14370	End	16994
Name	OJ000350_38.0313.C17.o4.gp	Method	AAT/GAP
Start	15965	End	16952
GI	none	Score	642
Exons	15965..16003, 16094..16200, 16293..16376, 16611..16681, 16798..16952		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92339	Strand	-
Start	7746	End	11443
Name	OJ000350_38.0313.C17.o2.gp	Method	AAT/GAP
Start	7746	End	8340
GI	3827_1.R1084	Score	987
Exons	7746..8067, 8155..8340		
GI Descrip.	'3822223 3.0e-31 (AF077955) branched-chain alpha keto-acid dehydrogenase E1 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92339	Strand	-
Start	7746	End	11443
Name	OJ000350_38.0313.C17.o3.gs	Method	GENSCAN
Start	7900	End	11443
GI	none	Score	.75
Exons	7900..8067, 8155..8340, 8410..8588, 8633..8759, 8825..8924, 9008..9105, 9269..9451, 9564..9704, 10202..10300, 11168..11443		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92339	Strand	-
Start	7746	End	11443
Name	OJ000350_38.0313.C17.o7.np	Method	AAT/NAP
Start	7903	End	11054
GI	3822223	Score	1304
Exons	7903..8067, 8155..8340, 8410..8549, 8633..8744, 8825..8924, 9008..9165, 9269..9451, 9564..9704, 11016..11054		
GI Descrip.	(AF077955) branched-chain alpha keto-acid dehydrogenase E1 alpha subunit [Arabidopsis thaliana]		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92339	Strand	-
Start	7746	End	11443
Name	OJ000350_38.0313.C17.o3.gp	Method	AAT/GAP
Start	8874	End	9182
GI	6024919	Score	339
Exons	8874..8924, 9008..9182		
GI Descrip.	3822223 3.0e-31 (AF077955) branched-chain alpha keto-acid dehydrogenase E1 alpha subunit [Arabidopsis thaliana]		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92340	Strand	-
Start	12148	End	13395
Name	OJ000350_38.0313.C17.o4.gs	Method	GENSCAN
Start	12148	End	13395
GI	none	Score	.87
Exons	12148..12150, 12152..12441, 13083..13395		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92341	Strand	-
Start	17876	End	18121
Name	OJ000350_38.0313.C17.o6.gs	Method	GENSCAN
Start	17876	End	18121
GI	none	Score	.81
Exons	17876..18121		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o2.tm	Method	TBLASTX:Maize
Start	1877	End	7605
GI	none	Score	111
Exons	1877..1960, 1891..1956, 2194..2271, 2341..2565, 2363..2566, 3017..3229, 3020..3229, 3021..3236, 3313..3426, 3328..3429, 3329..3430, 3329..3430, 3505..3660, 3507..3662, 3507..3659, 3779..3892, 3811..4014, 3821..4060, 3822..4019, 4788..4862, 4825..4863, 5026..5103, 5028..5102, 5033..5113, 5185..5388,		

5187..5393, 5189..5392, 6689..6814, 6694..6813, 6705..6827,
6706..6828, 6813..6911, 6813..6917, 6814..6915, 7016..7114,
7017..7115, 7018..7116, 7189..7332, 7197..7352, 7197..7352,
7447..7605, 7458..7604

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o4.ts	Method	TBLASTX:Soybean
Start	1877	End	6872
GI	none	Score	105
Exons	1877..1999, 1882..1956, 2195..2272, 2363..2458, 2464..2571, 2474..2566, 3021..3089, 3026..3115, 3092..3190, 3155..3190, 5026..5103, 5027..5101, 5187..5306, 5288..5398, 5289..5393, 5304..5417, 6706..6771, 6825..6872		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o3.tc	Method	TBLASTX:Cress
Start	1877	End	7720
GI	none	Score	104
Exons	1877..1960, 1882..1956, 2363..2458, 2464..2568, 2468..2566, 2500..2571, 3021..3101, 3023..3121, 3122..3190, 3149..3184, 3329..3427, 3337..3426, 3505..3552, 3508..3660, 3510..3659, 3811..3987, 3822..3980, 5027..5101, 5187..5315, 5288..5392, 5289..5393, 6703..6795, 6706..6816, 6711..6809, 6792..6866, 6800..6868, 6822..6872, 7018..7113, 7023..7112, 7200..7352, 7202..7351, 7232..7354, 7447..7608, 7458..7604, 7700..7720		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o3.ts	Method	TBLASTX:Soybean
Start	3332	End	7608
GI	none	Score	73
Exons	3332..3430, 3336..3410, 3505..3660, 3531..3659, 3811..3972, 3822..3968, 7009..7116, 7022..7096, 7193..7348, 7196..7351, 7197..7352, 7447..7608, 7458..7604		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o1.tw	Method	TBLASTX:Wheat
Start	3840	End	7608
GI	none	Score	206
Exons	3840..4001, 3841..3996, 7479..7604, 7480..7608		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o2.ts	Method	TBLASTX:Soybean
Start	7871	End	8522
GI	none	Score	91
Exons	7871..8053, 7897..8070, 7910..8071, 8152..8343, 8155..8343, 8410..8520, 8410..8520, 8457..8522		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o2.tc	Method	TBLASTX:Cress
Start	7887	End	8676
GI	none	Score	81
Exons	7887..8072, 7897..8070, 7916..8071, 8152..8331, 8184..8318, 8185..8322, 8270..8326, 8407..8550, 8407..8565, 8423..8593, 8631..8675, 8632..8676		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	7891	End	11414
GI	none	Score	174
Exons	7891..8070, 7891..8070, 8144..8341, 8152..8343, 8157..8381, 8409..8525, 8410..8550, 8410..8547, 8489..8551, 8631..8747, 8632..8745, 8817..8939, 8825..8929, 8988..9167, 9007..9168, 9008..9166, 9028..9168, 9269..9454, 9269..9454, 9561..9707, 9562..9705, 9564..9707, 11237..11266, 11238..11267, 11320..11382, 11321..11386, 11382..11414		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o1.ts	Method	TBLASTX:Soybean
Start	8631	End	9717
GI	none	Score	115
Exons	8631..8747, 8632..8745, 8817..8930, 8825..8929, 9007..9168, 9008..9166, 9010..9168, 9269..9454, 9269..9454, 9322..9462, 9561..9710, 9589..9717		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o4.tc	Method	TBLASTX:Cress
Start	8677	End	8930
GI	none	Score	72
Exons	8677..8745, 8679..8747, 8680..8745, 8682..8747, 8817..8930, 8825..8929		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o1.tc	Method	TBLASTX:Cress
Start	9020	End	9717
GI	none	Score	186
Exons	9020..9166, 9022..9168, 9028..9168, 9269..9466, 9269..9451, 9325..9459, 9570..9704, 9577..9717		

Seq. No.	43938	Seq. ID	OJ000350_38.0313.C17
Gene No.	92342	Strand	-
Start	18084	End	18331
Name	OJ000350_38.0313.C17.o5.gp	Method	AAT/GAP
Start	18084	End	18331
GI	uC-osflcyp061c07b1	Score	496

Exons	18084..18331		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92343	Strand	+
Start	249	End	1730
Name	OJ000350_38.0313.C18.o1.gs	Method	GENSCAN
Start	249	End	1730
GI	none	Score	.71
Exons	249..329, 1472..1604, 1627..1730		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92344	Strand	+
Start	3405	End	3851
Name	OJ000350_38.0313.C18.o1.gp	Method	AAT/GAP
Start	3405	End	3851
GI	none	Score	890
Exons	3405..3851		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92345	Strand	+
Start	8605	End	10731
Name	OJ000350_38.0313.C18.o3.gp	Method	AAT/GAP
Start	8605	End	10731
GI	2442882	Score	697
Exons	8605..8745, 10000..10147, 10617..10731		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92346	Strand	+
Start	17522	End	19723
Name	OJ000350_38.0313.C18.o6.gs	Method	GENSCAN
Start	17522	End	19723
GI	none	Score	.64
Exons	17522..17662, 19519..19577, 19627..19723		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92347	Strand	-
Start	3746	End	7109
Name	OJ000350_38.0313.C18.o2.gs	Method	GENSCAN
Start	3746	End	7109
GI	none	Score	.71
Exons	3746..4046, 4445..4626, 4725..4976, 5097..5153, 6053..6154, 6440..6514, 6873..7109		
Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92347	Strand	-
Start	3746	End	7109
Name	OJ000350_38.0313.C18.o1.np	Method	AAT/NAP
Start	3749	End	6919
GI	7445481	Score	1138
Exons	3749..4046, 4445..4626, 4725..4949, 5064..5143, 5759..5837, 6053..6154, 6440..6514, 6884..6919		
GI Descrip.	hypothetical protein F17M5.230 - Arabidopsis thaliana gi\|4490314\|emb\|CAB38805.1\| (AL035678) putative protein [Arabidopsis thaliana] gi\|7270295\|emb\|CAB80064.1\| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92347	Strand	-
Start	3746	End	7109
Name	OJ000350_38.0313.C18.o2.gp	Method	AAT/GAP
Start	4714	End	6158
GI	LIB3432-035-P2-K1-D11	Score	875
Exons	4714..4976, 5097..5153, 5766..5837, 6053..6158		
GI Descrip.	'4490314/emb\|CAB38805.1\| 2.0e-59 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92348	Strand	-
Start	8501	End	10173
Name	OJ000350_38.0313.C18.o3.gs	Method	GENSCAN
Start	8501	End	10173
GI	none	Score	.98
Exons	8501..8932, 10171..10173		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o2.tm	Method	TBLASTX:Maize
Start	239	End	1735
GI	none	Score	78
Exons	239..307, 253..312, 261..311, 399..464, 407..529, 407..466, 1506..1724, 1532..1735, 1538..1726		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o1.tm	Method	TBLASTX:Maize
Start	4517	End	4862
GI	none	Score	147
Exons	4517..4630, 4519..4626, 4722..4862, 4729..4860		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o1.ts	Method	TBLASTX:Soybean
Start	4576	End	4877
GI	none	Score	54
Exons	4576..4623, 4580..4630, 4725..4877, 4735..4830		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o1.tc	Method	TBLASTX:Cress
Start	4772	End	6136
GI	none	Score	77
Exons	4772..4948, 4794..4976, 4794..4976, 4795..4986, 5098..5160, 5766..5837, 5767..5838, 6053..6136		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o3.tm	Method	TBLASTX:Maize

Start	8659	End	10164
GI	none	Score	153
Exons	8659..8751, 8660..8755, 8702..8755, 9991..10098, 9998..10105, 10000..10104, 10002..10109, 10108..10164, 10109..10156		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o4.gs	Method	GENSCAN
Start	12613	End	13155
GI	none	Score	.73
Exons	12613..13155		

Seq. No.	43939	Seq. ID	OJ000350_38.0313.C18
Gene No.	92349	Strand	-
Start	12613	End	13214
Name	OJ000350_38.0313.C18.o4.gp	Method	AAT/GAP
Start	12849	End	13214
GI	none	Score	696
Exons	12849..13214		

Seq. No.	43940	Seq. ID	OJ000150_33.0317.C2
Gene No.	92350	Strand	-
Start	236	End	610
Name	OJ000150_33.0317.C2.o1.gs	Method	GENSCAN
Start	236	End	610
GI	none	Score	.65
Exons	236..336, 379..610		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92351	Strand	+
Start	1	End	403
Name	OJ000150_33.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	403
GI	4581108	Score	380
Exons	1..403		
GI Descrip.	(AC005825) putative chloroplast outer membrane protein [Arabidopsis thaliana]		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92351	Strand	+
Start	1	End	403
Name	OJ000150_33.0317.C3.o1.gs	Method	GENSCAN
Start	76	End	390
GI	none	Score	.97
Exons	76..390		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92352	Strand	+
Start	318	End	673
Name	OJ000150_33.0317.C3.o1.gp	Method	AAT/GAP
Start	318	End	673
GI	none	Score	679
Exons	318..673		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+

Start	1586	End	6559
Name	OJ000150_33.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	36	End	249
GI	none	Score	300
Exons	36..65, 52..246, 61..249, 69..248		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	40	End	369
GI	none	Score	401
Exons	40..369, 42..365		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o2.np	Method	AAT/NAP
Start	1574	End	6365
GI	7488259	Score	1228
Exons	1574..1771, 1805..1865, 2690..2811, 2894..3050, 3491..3751, 3872..4005, 4079..4627, 4714..5478, 6183..6365		
GI Descrip.	protein kinase homolog F4I18.11 - Arabidopsis thaliana gi\|3386604\|gb\|AAC28534.1\| (AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o2.gs	Method	GENSCAN
Start	1586	End	6383
GI	none	Score	.73
Exons	1586..1868, 2690..2811, 2894..3015, 3099..3203, 3378..3546, 3583..3789, 3865..4005, 4079..4523, 4763..5478, 5645..5755, 6183..6383		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	4460	End	5184
GI	none	Score	82
Exons	4460..4591, 4711..4788, 4786..5052, 5059..5184		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	4711	End	5493
GI	none	Score	742
Exons	4711..5403, 4713..5375, 5332..5493		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	4721	End	5010

GI	none	Score	60
Exons	4721..4864, 4737..5009, 4738..5010, 4738..5010		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	4843	End	6353
GI	none	Score	450
Exons	4843..5406, 4852..5013, 5049..5405, 6174..6353, 6182..6346		

Seq. No.	43941	Seq. ID	OJ000150_33.0317.C3
Gene No.	92353	Strand	+
Start	1586	End	6559
Name	OJ000150_33.0317.C3.o2.gp	Method	AAT/GAP
Start	5322	End	6559
GI	uC-osflcyp173g05b1	Score	1044
Exons	5322..5478, 6183..6559		
GI Descrip.	'3386604 8.0e-23 (AC004665) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92354	Strand	+
Start	3229	End	5062
Name	OJ000150_33.0317.C4.o2.gs	Method	GENSCAN
Start	3229	End	5062
GI	none	Score	.64
Exons	3229..3355, 3476..3614, 3855..3989, 4182..4374, 4468..4551, 4895..5062		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92355	Strand	+
Start	6789	End	7140
Name	OJ000150_33.0317.C4.o5.gp	Method	AAT/GAP
Start	6789	End	7140
GI	none	Score	704
Exons	6789..7140		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92356	Strand	+
Start	10835	End	13294
Name	OJ000150_33.0317.C4.o3.np	Method	AAT/NAP
Start	10835	End	13112
GI	6850906	Score	176
Exons	10835..10895, 11200..11335, 11429..11603, 12644..12687, 12900..13112		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92356	Strand	+
Start	10835	End	13294
Name	OJ000150_33.0317.C4.o6.gp	Method	AAT/GAP
Start	11283	End	11518
GI	702337	Score	472
Exons	11283..11518		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4

Gene No.	92356	Strand	+
Start	10835	End	13294
Name	OJ000150_33.0317.C4.o4.gs	Method	GENSCAN
Start	11336	End	13121
GI	none	Score	.71
Exons	11336..11797, 11920..12687, 12900..13121		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92356	Strand	+
Start	10835	End	13294
Name	OJ000150_33.0317.C4.o2.np	Method	AAT/NAP
Start	11677	End	12702
GI	5295966	Score	892
Exons	11677..11797, 11920..12702		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92356	Strand	+
Start	10835	End	13294
Name	OJ000150_33.0317.C4.o7.gp	Method	AAT/GAP
Start	12909	End	13294
GI	5056138	Score	655
Exons	12909..13294		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92357	Strand	+
Start	13712	End	21361
Name	OJ000150_33.0317.C4.o5.gs	Method	GENSCAN
Start	13712	End	21243
GI	none	Score	.5
Exons	13712..13745, 14029..14447, 14547..14669, 15910..16002, 17753..17818, 18198..18416, 18806..19153, 19262..19356, 19943..20150, 20479..20586, 21184..21243		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92357	Strand	+
Start	13712	End	21361
Name	OJ000150_33.0317.C4.o4.np	Method	AAT/NAP
Start	14041	End	20531
GI	6642680	Score	1747
Exons	14041..14109, 14205..14226, 14273..14447, 14547..14669, 15582..15665, 15769..15819, 15910..16011, 16167..16307, 16379..16459, 16537..16784, 16878..17049, 17369..17479, 17579..17641, 18198..18416, 18585..18636, 18780..18874, 18959..19153, 19262..19356, 19452..19691, 19943..20531		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92357	Strand	+
Start	13712	End	21361
Name	OJ000150_33.0317.C4.o8.gp	Method	AAT/GAP
Start	21058	End	21361
GI	none	Score	550
Exons	21058..21361		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92358	Strand	+
Start	22062	End	22895
Name	OJ000150_33.0317.C4.o6.gs	Method	GENSCAN
Start	22062	End	22895
GI	none	Score	1
Exons	22062..22895		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92359	Strand	+
Start	23696	End	27166
Name	OJ000150_33.0317.C4.o7.gs	Method	GENSCAN
Start	23696	End	27029
GI	none	Score	.7
Exons	23696..23833, 24619..24699, 24900..25047, 25144..25319, 25386..25533, 25618..25771, 26199..26277, 26859..27029		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92359	Strand	+
Start	23696	End	27166
Name	OJ000150_33.0317.C4.o9.gp	Method	AAT/GAP
Start	23803	End	25269
GI	LIB3477-002-P1-K1-E12	Score	817
Exons	23803..23907, 24619..24699, 24900..25047, 25144..25269		
GI Descrip.	'3451067/emb\|CAA20463.1\| 2.0e-13 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92359	Strand	+
Start	23696	End	27166
Name	OJ000150_33.0317.C4.o5.np	Method	AAT/NAP
Start	24942	End	27026
GI	7486117	Score	703
Exons	24942..25047, 25144..25375, 25454..25533, 25618..25771, 26199..26277, 26394..26478, 26707..26753, 26859..27026		
GI Descrip.	hypothetical protein F25E4.30 - Arabidopsis thaliana gi\|7267840\|emb\|CAB81242.1\| (AL161531) putative protein [Arabidopsis thaliana] gi\|7321038\|emb\|CAB82146.1\| (AL050399) putative protein [Arabidopsis thaliana]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92359	Strand	+
Start	23696	End	27166
Name	OJ000150_33.0317.C4.o10.gp	Method	AAT/GAP
Start	25630	End	27166
GI	85347_1.R1084	Score	1136
Exons	25630..25771, 26199..26277, 26394..26478, 26707..26753, 26859..27166		
GI Descrip.	'629592/pir\|\|S42651 1.0e-39 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]'		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92360	Strand	+
Start	27779	End	33197
Name	OJ000150_33.0317.C4.o8.gs	Method	GENSCAN
Start	27779	End	33197

GI	none	Score	.6
Exons	27779..27808, 28098..28181, 28300..28485, 28491..28519, 28672..28695, 29034..29142, 29314..29485, 29715..29741, 29839..30070, 30501..30580, 30722..30875, 31229..31307, 33048..33197		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92361	Strand	+
Start	35595	End	36683
Name	OJ000150_33.0317.C4.o6.np	Method	AAT/NAP
Start	35595	End	36683
GI	7485550	Score	93
Exons	35595..35713, 36658..36683		
GI Descrip.	hypothetical protein F16G20.120 - Arabidopsis thaliana gi\|3451067\|emb\|CAA20463.1\| (AL031326) putative protein [Arabidopsis thaliana] gi\|7269190\|emb\|CAB79297.1\| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92362	Strand	-
Start	871	End	2417
Name	OJ000150_33.0317.C4.o1.gp	Method	AAT/GAP
Start	566	End	1185
GI	37062_1.R1084	Score	1118
Exons	566..1185		
GI Descrip.	'729944/sp\|Q07154\|MPZ1_MAIZE 5.0e-34 POLLEN ALLERGEN ZEA M 1 (ZEA M I) >gi_478272_pir__JC1524 major allergen mI protein - maize >gi_293902 (L14271) Zea mI [Zea mays]'		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92362	Strand	-
Start	871	End	2417
Name	OJ000150_33.0317.C4.o1.gs	Method	GENSCAN
Start	871	End	2341
GI	none	Score	.99
Exons	871..1383, 1762..1871, 2155..2341		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92362	Strand	-
Start	871	End	2417
Name	OJ000150_33.0317.C4.o1.np	Method	AAT/NAP
Start	886	End	2335
GI	3901094	Score	802
Exons	886..1383, 1762..1871, 2155..2335		
GI Descrip.	(Z27090) pollen allergen Phl pI [Phleum pratense]		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92362	Strand	-
Start	871	End	2417
Name	OJ000150_33.0317.C4.o2.gp	Method	AAT/GAP
Start	1176	End	2417
GI	27296_1.R1084	Score	1022
Exons	1176..1383, 1762..1871, 2155..2417		
GI Descrip.	'1171008/sp\|P43213\|MPP1_PHLPR 3.0e-49 POLLEN ALLERGEN PHL P 1 PRECURSOR (PHL P I) >gi_629812_pir__S44182 allergen Phl p I - common timothy >gi_473360_emb_CAA55390_ (X78813) Phl p I allergen [Phleum pratense]'		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	864	End	2359
GI	none	Score	64
Exons	864..953, 871..1386, 875..1384, 1754..1864, 1757..1873, 1759..1872, 2153..2359, 2154..2348		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	872	End	1317
GI	none	Score	213
Exons	872..1177, 872..1060, 877..1176, 1003..1200, 1177..1317, 1178..1312		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	877	End	2272
GI	none	Score	75
Exons	877..966, 959..1051, 961..1053, 1063..1176, 1064..1177, 1177..1299, 1178..1300, 1324..1386, 1325..1384, 1759..1848, 1760..1855, 2165..2272		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	6836	End	7393
GI	none	Score	36
Exons	6836..6877, 6843..6869, 6897..6932, 6899..6931, 7040..7063, 7046..7120, 7047..7121, 7154..7306, 7155..7307, 7274..7393		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o3.gs	Method	GENSCAN
Start	6911	End	7393
GI	none	Score	.97
Exons	6911..7393		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92363	Strand	-
Start	6911	End	7393
Name	OJ000150_33.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	7046	End	7309
GI	none	Score	85
Exons	7046..7309, 7047..7118, 7158..7262		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92364	Strand	
Start	11582	End	13070

Name	OJ000150_33.0317.C4.o5.ts	Method	TBLASTX:Soybean
Start	11582	End	12036
GI	none	Score	150
Exons	11582..11800, 11680..11802, 11899..12036		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92364	Strand	
Start	11582	End	13070
Name	OJ000150_33.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	11684	End	12435
GI	none	Score	99
Exons	11684..11800, 11914..11982, 11989..12039, 12061..12225, 12283..12435		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92364	Strand	
Start	11582	End	13070
Name	OJ000150_33.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	11893	End	12692
GI	none	Score	760
Exons	11893..12633, 11893..12042, 11919..12479, 12067..12594, 12645..12692, 12646..12684		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92364	Strand	
Start	11582	End	13070
Name	OJ000150_33.0317.C4.o2.tw	Method	TBLASTX:Wheat
Start	11943	End	12216
GI	none	Score	307
Exons	11943..12215, 11944..12216		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92364	Strand	
Start	11582	End	13070
Name	OJ000150_33.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	12049	End	13070
GI	none	Score	401
Exons	12049..12624, 12133..12216, 12276..12479, 12876..13070, 12894..13061		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92365	Strand	
Start	16421	End	16728
Name	OJ000150_33.0317.C4.o3.tc	Method	TBLASTX:Cress
Start	16421	End	16728
GI	none	Score	64
Exons	16421..16462, 16430..16459, 16533..16727, 16534..16728		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92366	Strand	
Start	19533	End	20810
Name	OJ000150_33.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	19533	End	20810
GI	none	Score	155
Exons	19533..19694, 19534..19698, 19537..19692, 19929..20186, 19934..20239, 19935..20225, 20217..20342, 20225..20338, 20226..20348, 20227..20349, 20310..20588, 20340..20588,		

20724..20810, 20757..20810

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92367	Strand	
Start	22097	End	22361
Name	OJ000150_33.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	22097	End	22361
GI	none	Score	182
Exons	22097..22273, 22161..22289, 22287..22361		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92368	Strand	
Start	22338	End	22817
Name	OJ000150_33.0317.C4.o6.ts	Method	TBLASTX:Soybean
Start	22338	End	22817
GI	none	Score	83
Exons	22338..22538, 22542..22649, 22734..22817		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92369	Strand	
Start	24956	End	35707
Name	OJ000150_33.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	24956	End	35702
GI	none	Score	106
Exons	24956..25048, 24957..25049, 25125..25376, 25142..25189, 25247..25369, 25451..25540, 25455..25535, 25599..25769, 25682..25774, 26200..26268, 26397..26459, 29353..29487, 29382..29495, 29837..30064, 29853..30071, 30498..30581, 30502..30582, 30664..30723, 30721..30873, 30736..30807, 30786..30878, 31230..31298, 31403..31525, 35597..35701, 35598..35702		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92369	Strand	
Start	24956	End	35707
Name	OJ000150_33.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	24957	End	35707
GI	none	Score	112
Exons	24957..25049, 24962..25054, 25119..25376, 25451..25534, 25455..25535, 25507..25572, 25593..25679, 25679..25771, 25680..25766, 26200..26277, 26849..27004, 26859..27017, 29395..29487, 29397..29486, 29853..30071, 30498..30581, 30502..30582, 30721..30783, 30784..30867, 31245..31307, 31403..31486, 31824..31970, 31825..31983, 35610..35702, 35612..35707		

Seq. No.	43942	Seq. ID	OJ000150_33.0317.C4
Gene No.	92369	Strand	
Start	24956	End	35707
Name	OJ000150_33.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	24963	End	35702
GI	none	Score	103
Exons	24963..25049, 25119..25376, 25142..25186, 25284..25367, 25451..25549, 25455..25535, 25599..25763, 25616..25765, 26215..26277, 26397..26462, 29401..29487, 29853..30071, 30502..30606, 30720..30866, 30721..30867, 31245..31307, 31402..31473, 31403..31474, 35615..35701, 35616..35702		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o1.np	Method	AAT/NAP
Start	1621	End	6233
GI	7486117	Score	545
Exons	1621..1696, 2148..2411, 2990..3069, 3215..3368, 5536..5620, 5747..5831, 5915..5961, 6066..6233		
GI Descrip.	hypothetical protein F25E4.30 - Arabidopsis thaliana gi\|7267840\|emb\|CAB81242.1\| (AL161531) putative protein [Arabidopsis thaliana] gi\|7321038\|emb\|CAB82146.1\| (AL050399) putative protein [Arabidopsis thaliana]		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	2178	End	3258
GI	none	Score	241
Exons	2178..2411, 2179..2412, 2987..3070, 2991..3071, 3214..3258		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	2178	End	2418
GI	none	Score	261
Exons	2178..2417, 2179..2418		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	2178	End	5824
GI	none	Score	231
Exons	2178..2405, 2179..2412, 2991..3071, 3213..3371, 3214..3366, 5537..5599, 5744..5824		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o1.gs	Method	GENSCAN
Start	2245	End	3266
GI	none	Score	.73
Exons	2245..2411, 2990..3069, 3196..3266		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o2.gs	Method	GENSCAN
Start	4579	End	6224
GI	none	Score	.68
Exons	4579..4776, 4805..4992, 5536..5620, 6066..6224		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+

Start	1621	End	6275
Name	OJ000150_33.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	6056	End	6275
GI	none	Score	187
Exons	6056..6205, 6066..6275, 6105..6155		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	6063	End	6211
GI	none	Score	81
Exons	6063..6206, 6065..6202, 6065..6211, 6066..6206		

Seq. No.	43943	Seq. ID	OJ000150_33.0317.C5
Gene No.	92370	Strand	+
Start	1621	End	6275
Name	OJ000150_33.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	6065	End	6224
GI	none	Score	191
Exons	6065..6199, 6066..6224		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92371	Strand	+
Start	6657	End	10294
Name	OJ000150_33.0317.C6.o2.gs	Method	GENSCAN
Start	6657	End	10294
GI	none	Score	.53
Exons	6657..6784, 8213..8607, 8670..8773, 10133..10294		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.gp	Method	AAT/GAP
Start	3256	End	4465
GI	2595_2.R1084	Score	1655
Exons	3256..4059, 4416..4465		
GI Descrip.	'3258575 3.0e-27 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.gs	Method	GENSCAN
Start	3785	End	5726
GI	none	Score	.9
Exons	3785..4059, 4416..4698, 4734..5726		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	3789	End	4004
GI	none	Score	147
Exons	3789..3893, 3797..3892, 3896..4003, 3897..4004		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6

Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	3795	End	3998
GI	none	Score	278
Exons	3795..3998, 3797..3997		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.np	Method	AAT/NAP
Start	3800	End	5726
GI	3258575	Score	1265
Exons	3800..4059, 4416..4605, 4734..5726		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	3857	End	4106
GI	none	Score	128
Exons	3857..4057, 3861..4106		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	4489	End	4871
GI	none	Score	109
Exons	4489..4608, 4499..4606, 4725..4871		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	4489	End	4871
GI	none	Score	92
Exons	4489..4608, 4505..4606, 4725..4871, 4732..4860		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o2.gp	Method	AAT/GAP
Start	4788	End	5150
GI	none	Score	718
Exons	4788..5150		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	4885	End	5426
GI	none	Score	76
Exons	4885..4935, 4887..4961, 5040..5069, 5041..5073, 5082..5426, 5115..5234, 5143..5424		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o3.gp	Method	AAT/GAP
Start	5267	End	5564
GI	uC-osrocyp008e08b1	Score	557
Exons	5267..5564		
GI Descrip.	'3258575 2.0e-28 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	5437	End	5730
GI	none	Score	366
Exons	5437..5730, 5439..5708		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	5440	End	5721
GI	none	Score	406
Exons	5440..5721, 5442..5708		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	5448	End	5703
GI	none	Score	45
Exons	5448..5534, 5452..5529, 5532..5702, 5536..5703		

Seq. No.	43944	Seq. ID	OJ000150_33.0317.C6
Gene No.	92372	Strand	-
Start	3785	End	5730
Name	OJ000150_33.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	5551	End	5727
GI	none	Score	168
Exons	5551..5727, 5553..5705		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92373	Strand	-
Start	1	End	619
Name	OJ000150_33.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	577
GI	3258575	Score	653
Exons	1..577		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92373	Strand	-
Start	1	End	619
Name	OJ000150_33.0317.C7.o1.gp	Method	AAT/GAP
Start	48	End	619
GI	42110_1.R1084	Score	1023

Exons	48..619		
GI Descrip.	'3258575 2.0e-72 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92373	Strand	-
Start	1	End	619
Name	OJ000150_33.0317.C7.o1.gs	Method	GENSCAN
Start	77	End	577
GI	none	Score	1
Exons	77..577		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	47	End	424
GI	none	Score	291
Exons	47..424, 51..413		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	288	End	581
GI	none	Score	366
Exons	288..581, 290..559		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	299	End	554
GI	none	Score	45
Exons	299..385, 303..380, 383..553, 387..554		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	402	End	578
GI	none	Score	168
Exons	402..578, 404..556		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	425	End	572
GI	none	Score	226
Exons	425..559, 426..572		

Seq. No.	43945	Seq. ID	OJ000150_33.0317.C7
Gene No.	92374	Strand	-
Start	1481	End	1579
Name	OJ000150_33.0317.C7.o2.gs	Method	GENSCAN
Start	1481	End	1579

GI	none	Score	.65
Exons	1481..1579		

Seq. No.	43946	Seq. ID	OJ000150_33.0317.C14
Gene No.	92375	Strand	+
Start	1	End	196
Name	OJ000150_33.0317.C14.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	uC-osflcyp173g05b1	Score	353
Exons	1..196		
GI Descrip.	'3386604 8.0e-23 (AC004665) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	43946	Seq. ID	OJ000150_33.0317.C14
Gene No.	92376	Strand	-
Start	1	End	706
Name	OJ000150_33.0317.C14.o1.np	Method	AAT/NAP
Start	1	End	706
GI	7486455	Score	175
Exons	1..186, 653..706		
GI Descrip.	hypothetical protein F4I18.10 - Arabidopsis thaliana gi\|3386603\|gb\|AAC28533.1\| (AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	43946	Seq. ID	OJ000150_33.0317.C14
Gene No.	92376	Strand	-
Start	1	End	706
Name	OJ000150_33.0317.C14.o1.tc	Method	TBLASTX:Cress
Start	11	End	172
GI	none	Score	94
Exons	11..172, 13..171		

Seq. No.	43946	Seq. ID	OJ000150_33.0317.C14
Gene No.	92376	Strand	-
Start	1	End	706
Name	OJ000150_33.0317.C14.o1.ts	Method	TBLASTX:Soybean
Start	13	End	193
GI	none	Score	120
Exons	13..186, 23..193		

Seq. No.	43947	Seq. ID	OJ000150_33.0317.C15
Gene No.	92377	Strand	-
Start	4	End	869
Name	OJ000150_33.0317.C15.o1.np	Method	AAT/NAP
Start	4	End	869
GI	629592	Score	269
Exons	4..168, 256..302, 503..587, 686..869		
GI Descrip.	hypothetical protein - rape gi\|6065752\|emb\|CAB58175.1\| (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	43947	Seq. ID	OJ000150_33.0317.C15
Gene No.	92377	Strand	-
Start	4	End	869
Name	OJ000150_33.0317.C15.o1.gs	Method	GENSCAN
Start	7	End	623
GI	none	Score	.71
Exons	7..168, 256..302, 503..623		

Seq. No.	43948	Seq. ID	OJ000150_33.0317.C17
Gene No.	92378	Strand	+
Start	930	End	998
Name	OJ000150_33.0317.C17.o1.gs	Method	GENSCAN
Start	930	End	998
GI	none	Score	.51
Exons	930..998		

Seq. No.	43949	Seq. ID	OJ000150_33.0317.C20
Gene No.	92379	Strand	-
Start	175	End	662
Name	OJ000150_33.0317.C20.o1.gs	Method	GENSCAN
Start	175	End	662
GI	none	Score	.78
Exons	175..283, 579..662		

Seq. No.	43950	Seq. ID	OJ000150_33.0317.C23
Gene No.	92380	Strand	+
Start	1	End	865
Name	OJ000150_33.0317.C23.o1.np	Method	AAT/NAP
Start	1	End	865
GI	7413643	Score	237
Exons	1..148, 247..379, 666..865		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	43950	Seq. ID	OJ000150_33.0317.C23
Gene No.	92380	Strand	+
Start	1	End	865
Name	OJ000150_33.0317.C23.o1.gs	Method	GENSCAN
Start	211	End	827
GI	none	Score	.77
Exons	211..331, 532..578, 666..827		

Seq. No.	43951	Seq. ID	OJ000150_33.0317.C28
Gene No.	92381	Strand	-
Start	1	End	242
Name	OJ000150_33.0317.C28.o1.np	Method	AAT/NAP
Start	1	End	242
GI	7485551	Score	92
Exons	1..242		
GI Descrip.	hypothetical protein F16G20.130 - Arabidopsis thaliana gi\|3451068\|emb\|CAA20464.1\| (AL031326) putative protein [Arabidopsis thaliana] gi\|7269191\|emb\|CAB79298.1\| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	43952	Seq. ID	OJ000150_33.0317.C29
Gene No.	92382	Strand	+
Start	110	End	272
Name	OJ000150_33.0317.C29.o1.gs	Method	GENSCAN
Start	110	End	272
GI	none	Score	.77
Exons	110..272		

Seq. No.	43952	Seq. ID	OJ000150_33.0317.C29
Gene No.	92383	Strand	-
Start	1	End	774

Name	OJ000150_33.0317.C29.o1.np	Method	AAT/NAP
Start	1	End	774
GI	6642680	Score	363
Exons	1..185, 341..442, 533..583, 687..774		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43953	Seq. ID	OJ000150_33.0317.C31
Gene No.	92384	Strand	+
Start	1	End	726
Name	OJ000150_33.0317.C31.o1.np	Method	AAT/NAP
Start	1	End	726
GI	6642680	Score	263
Exons	1..22, 214..726		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43953	Seq. ID	OJ000150_33.0317.C31
Gene No.	92384	Strand	+
Start	1	End	726
Name	OJ000150_33.0317.C31.o1.tm	Method	TBLASTX:Maize
Start	204	End	725
GI	none	Score	318
Exons	204..461, 209..514, 210..500, 502..624, 613..711, 614..718,	492..617, 500..613, 501..623, 615..725	

Seq. No.	43953	Seq. ID	OJ000150_33.0317.C31
Gene No.	92384	Strand	+
Start	1	End	726
Name	OJ000150_33.0317.C31.o1.gs	Method	GENSCAN
Start	218	End	714
GI	none	Score	.95
Exons	218..714		

Seq. No.	43954	Seq. ID	OJ000150_33.0317.C37
Gene No.	92385	Strand	-
Start	1	End	871
Name	OJ000150_33.0317.C37.o1.np	Method	AAT/NAP
Start	1	End	871
GI	6642680	Score	156
Exons	1..238, 795..871		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43954	Seq. ID	OJ000150_33.0317.C37
Gene No.	92385	Strand	-
Start	1	End	871
Name	OJ000150_33.0317.C37.o1.gs	Method	GENSCAN
Start	20	End	683
GI	none	Score	.9
Exons	20..238, 618..683		

Seq. No.	43955	Seq. ID	OJ000150_33.0317.C38
Gene No.	92386	Strand	+
Start	1023	End	2409
Name	OJ000150_33.0317.C38.o1.gs	Method	GENSCAN
Start	1023	End	2409

GI	none	Score	.53
Exons	1023..1047, 1342..1441, 1667..1784, 1896..1994, 2054..2242, 2317..2409		

Seq. No.	43955	Seq. ID	OJ000150_33.0317.C38
Gene No.	92387	Strand	-
Start	1	End	2068
Name	OJ000150_33.0317.C38.o1.np	Method	AAT/NAP
Start	1	End	2068
GI	6642680	Score	461
Exons	1..199, 290..340, 444..527, 1440..1562, 1662..1820, 1866..1904, 2000..2068		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43956	Seq. ID	OJ000150_33.0317.C40
Gene No.	92388	Strand	-
Start	1	End	910
Name	OJ000150_33.0317.C40.o1.np	Method	AAT/NAP
Start	1	End	910
GI	6642680	Score	390
Exons	1..286, 380..627, 705..785, 858..910		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	43956	Seq. ID	OJ000150_33.0317.C40
Gene No.	92388	Strand	-
Start	1	End	910
Name	OJ000150_33.0317.C40.o1.gs	Method	GENSCAN
Start	115	End	785
GI	none	Score	.63
Exons	115..286, 380..627, 705..785		

Seq. No.	43956	Seq. ID	OJ000150_33.0317.C40
Gene No.	92388	Strand	-
Start	1	End	910
Name	OJ000150_33.0317.C40.o1.tc	Method	TBLASTX:Cress
Start	436	End	743
GI	none	Score	98
Exons	436..630, 437..631, 702..743		

Seq. No.	43957	Seq. ID	OJ000150_33.0317.C42
Gene No.	92389	Strand	-
Start	334	End	738
Name	OJ000150_33.0317.C42.o1.gp	Method	AAT/GAP
Start	334	End	738
GI	none	Score	770
Exons	334..738		

Seq. No.	43958	Seq. ID	OJ000150_33.0317.C45
Gene No.	92390	Strand	+
Start	548	End	648
Name	OJ000150_33.0317.C45.o1.gs	Method	GENSCAN
Start	548	End	648
GI	none	Score	.57
Exons	548..648		

Seq. No.	43959	Seq. ID	OJ000150_33.0317.C47
Gene No.	92391	Strand	+
Start	977	End	1328
Name	OJ000150_33.0317.C47.o1.gp	Method	AAT/GAP
Start	977	End	1328
GI	2595_2.R1084	Score	678
Exons	977..1328		
GI Descrip.	'3258575 3.0e-27 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43960	Seq. ID	OJ000150_33.0317.C51
Gene No.	92392	Strand	+
Start	124	End	285
Name	OJ000150_33.0317.C51.o1.gs	Method	GENSCAN
Start	124	End	285
GI	none	Score	.53
Exons	124..285		

Seq. No.	43961	Seq. ID	OJ000150_33.0317.C53
Gene No.	92393	Strand	-
Start	1	End	1937
Name	OJ000150_33.0317.C53.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	7485551	Score	347
Exons	1..161, 541..772, 1126..1231		
GI Descrip.	hypothetical protein F16G20.130 - Arabidopsis thaliana gi\|3451068\|emb\|CAA20464.1\| (AL031326) putative protein [Arabidopsis thaliana] gi\|7269191\|emb\|CAB79298.1\| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	43961	Seq. ID	OJ000150_33.0317.C53
Gene No.	92393	Strand	-
Start	1	End	1937
Name	OJ000150_33.0317.C53.o1.tc	Method	TBLASTX:Cress
Start	29	End	1213
GI	none	Score	65
Exons	29..109, 30..113, 540..758, 541..774, 1116..1211, 1124..1213		

Seq. No.	43961	Seq. ID	OJ000150_33.0317.C53
Gene No.	92393	Strand	-
Start	1	End	1937
Name	OJ000150_33.0317.C53.o1.tm	Method	TBLASTX:Maize
Start	29	End	1258
GI	none	Score	64
Exons	29..109, 30..113, 540..758, 547..774, 1116..1229, 1124..1258		

Seq. No.	43961	Seq. ID	OJ000150_33.0317.C53
Gene No.	92393	Strand	-
Start	1	End	1937
Name	OJ000150_33.0317.C53.o1.gs	Method	GENSCAN
Start	31	End	1937
GI	none	Score	.5
Exons	31..110, 541..772, 870..896, 1126..1297, 1469..1545, 1916..1937		

Seq. No.	43961	Seq. ID	OJ000150_33.0317.C53
Gene No.	92393	Strand	-
Start	1	End	1937

Name	OJ000150_33.0317.C53.o1.ts	Method	TBLASTX:Soybean
Start	534	End	1231
GI	none	Score	167
Exons	534..758, 535..774, 1124..1231		

Seq. No.	43962	Seq. ID	OJ000130_35.0323.C1
Gene No.	92394	Strand	-
Start	786	End	1317
Name	OJ000130_35.0323.C1.o1.gs	Method	GENSCAN
Start	786	End	1317
GI	none	Score	.99
Exons	786..1317		

Seq. No.	43963	Seq. ID	OJ000130_35.0323.C2
Gene No.	92395	Strand	+
Start	911	End	1043
Name	OJ000130_35.0323.C2.o1.np	Method	AAT/NAP
Start	911	End	1043
GI	6063557	Score	29
Exons	911..1043		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	43963	Seq. ID	OJ000130_35.0323.C2
Gene No.	92396	Strand	-
Start	11	End	1002
Name	OJ000130_35.0323.C2.o1.gs	Method	GENSCAN
Start	11	End	1002
GI	none	Score	.83
Exons	11..219, 845..1002		

Seq. No.	43964	Seq. ID	OJ000130_35.0323.C3
Gene No.	92397	Strand	+
Start	872	End	2547
Name	OJ000130_35.0323.C3.o1.np	Method	AAT/NAP
Start	872	End	2547
GI	7228442	Score	2889
Exons	872..2547		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43964	Seq. ID	OJ000130_35.0323.C3
Gene No.	92397	Strand	+
Start	872	End	2547
Name	OJ000130_35.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	1886	End	2484
GI	none	Score	85
Exons	1886..2014, 2048..2128, 2133..2189, 2194..2349, 2208..2288, 2413..2484		

Seq. No.	43964	Seq. ID	OJ000130_35.0323.C3
Gene No.	92397	Strand	+
Start	872	End	2547
Name	OJ000130_35.0323.C3.o1.gp	Method	AAT/GAP
Start	1929	End	2362
GI	5701669	Score	795
Exons	1929..2362		

GI Descrip. 5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	43964	Seq. ID	OJ000130_35.0323.C3
Gene No.	92397	Strand	+
Start	872	End	2547
Name	OJ000130_35.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	2173	End	2547
GI	none	Score	211
Exons	2173..2388, 2173..2376, 2382..2507, 2386..2547, 2386..2532		

Seq. No.	43965	Seq. ID	OJ000130_35.0323.C4
Gene No.	92398	Strand	+
Start	1	End	1373
Name	OJ000130_35.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	7228438	Score	1125
Exons	1..27, 508..608, 693..1103, 1195..1373		

GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No.	43965	Seq. ID	OJ000130_35.0323.C4
Gene No.	92398	Strand	+
Start	1	End	1373
Name	OJ000130_35.0323.C4.o1.gs	Method	GENSCAN
Start	18	End	1215
GI	none	Score	.7
Exons	18..166, 272..518, 693..1103, 1195..1215		

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92399	Strand	+
Start	1	End	1665
Name	OJ000130_35.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	1665
GI	7228438	Score	85
Exons	1..106, 1636..1665		

GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92399	Strand	+
Start	1	End	1665
Name	OJ000130_35.0323.C5.o3.np	Method	AAT/NAP
Start	1	End	976
GI	7228442	Score	254
Exons	1..68, 792..976		

GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92399	Strand	+
Start	1	End	1665
Name	OJ000130_35.0323.C5.o2.np	Method	AAT/NAP

Start	1	End	673
GI	5441880	Score	570
Exons	1..101, 192..323, 439..673		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92399	Strand	+
Start	1	End	1665
Name	OJ000130_35.0323.C5.o1.gs	Method	GENSCAN
Start	192	End	952
GI	none	Score	.63
Exons	192..323, 387..434, 439..656, 792..952		

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92399	Strand	+
Start	1	End	1665
Name	OJ000130_35.0323.C5.o1.gp	Method	AAT/GAP
Start	777	End	1230
GI	LIB3431-045-P1-N1-A10	Score	848
Exons	777..1230		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92400	Strand	+
Start	1956	End	6675
Name	OJ000130_35.0323.C5.o2.gs	Method	GENSCAN
Start	1956	End	6675
GI	none	Score	.63
Exons	1956..2018, 2369..2427, 5109..5409, 5649..5778, 5850..5923, 6425..6507, 6642..6675		

Seq. No.	43966	Seq. ID	OJ000130_35.0323.C5
Gene No.	92401	Strand	-
Start	437	End	1682
Name	OJ000130_35.0323.C5.o4.np	Method	AAT/NAP
Start	437	End	1682
GI	6721543	Score	75
Exons	437..462, 769..811, 1553..1682		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43967	Seq. ID	OJ000130_35.0323.C6
Gene No.	92402	Strand	+
Start	913	End	4667
Name	OJ000130_35.0323.C6.o1.gs	Method	GENSCAN
Start	913	End	4667
GI	none	Score	.55
Exons	913..966, 2209..2313, 3624..4667		

Seq. No.	43967	Seq. ID	OJ000130_35.0323.C6
Gene No.	92403	Strand	-
Start	5278	End	5612
Name	OJ000130_35.0323.C6.o2.gs	Method	GENSCAN
Start	5278	End	5612
GI	none	Score	1

Exons	5278..5612		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92404	Strand	+
Start	140	End	3568
Name	OJ000130_35.0323.C7.o1.np	Method	AAT/NAP
Start	140	End	3565
GI	4850384	Score	969
Exons	140..283, 895..999, 1124..1207, 1393..1508, 1613..1714, 1793..1906, 1994..2050, 2239..2366, 2434..2487, 2876..2950, 3034..3069, 3467..3565		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92404	Strand	+
Start	140	End	3568
Name	OJ000130_35.0323.C7.o1.gs	Method	GENSCAN
Start	200	End	3568
GI	none	Score	.8
Exons	200..283, 325..510, 895..999, 1025..1207, 1393..1508, 1613..1714, 1793..1906, 2300..2366, 2876..2950, 3034..3069, 3467..3568		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92405	Strand	-
Start	4196	End	5422
Name	OJ000130_35.0323.C7.o2.gs	Method	GENSCAN
Start	4196	End	5422
GI	none	Score	.89
Exons	4196..5422		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92405	Strand	-
Start	4196	End	5422
Name	OJ000130_35.0323.C7.o1.gp	Method	AAT/GAP
Start	4787	End	5102
GI	5003927	Score	596
Exons	4787..5102		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92406	Strand	-
Start	8642	End	12396
Name	OJ000130_35.0323.C7.o3.gs	Method	GENSCAN
Start	8642	End	12396
GI	none	Score	.56
Exons	8642..8802, 10460..10766, 11137..11295, 11465..11583, 11750..11808, 11864..12113, 12193..12233, 12317..12396		
Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92407	Strand	-
Start	13007	End	13315
Name	OJ000130_35.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	179	End	3590
GI	none	Score	169
Exons	179..313, 181..285, 348..458, 358..525, 364..510, 892..999, 894..1001, 1121..1207, 1123..1206, 1386..1511, 1393..1509, 1609..1716, 1614..1712, 1791..1919, 1793..1882, 1794..1916,		

1986..2051, 1988..2062, 2301..2366, 2301..2366, 2302..2367,
2428..2487, 2433..2486, 2873..2950, 2874..2951, 2875..2949,
3032..3073, 3034..3072, 3048..3083, 3466..3588, 3467..3583,
3468..3590

Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92407	Strand	-
Start	13007	End	13315
Name	OJ000130_35.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	185	End	3574
GI	none	Score	84
Exons	185..307, 376..444, 868..999, 879..1001, 1121..1207, 1139..1207, 1389..1511, 1393..1509, 1611..1706, 1613..1723, 1614..1712, 1793..1876, 1794..1919, 1986..2051, 1991..2062, 2300..2371, 2301..2366, 2302..2367, 2414..2485, 2428..2487, 2433..2486, 2873..2950, 2875..2946, 3466..3573, 3467..3574		

Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92407	Strand	-
Start	13007	End	13315
Name	OJ000130_35.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	1398	End	1829
GI	none	Score	133
Exons	1398..1511, 1402..1509, 1611..1718, 1614..1712, 1791..1829		

Seq. No.	43968	Seq. ID	OJ000130_35.0323.C7
Gene No.	92407	Strand	-
Start	13007	End	13315
Name	OJ000130_35.0323.C7.o4.gs	Method	GENSCAN
Start	13007	End	13315
GI	none	Score	.99
Exons	13007..13315		

Seq. No.	43969	Seq. ID	OJ000130_35.0323.C8
Gene No.	92408	Strand	-
Start	1	End	633
Name	OJ000130_35.0323.C8.o1.gp	Method	AAT/GAP
Start	1	End	602
GI	7905_1.R1084	Score	1149
Exons	1..602		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43969	Seq. ID	OJ000130_35.0323.C8
Gene No.	92408	Strand	-
Start	1	End	633
Name	OJ000130_35.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	196	End	633
GI	none	Score	104
Exons	196..351, 244..345, 252..347, 402..467, 429..530, 475..531, 475..633		

Seq. No.	43969	Seq. ID	OJ000130_35.0323.C8
Gene No.	92408	Strand	-
Start	1	End	633
Name	OJ000130_35.0323.C8.o1.gs	Method	GENSCAN
Start	255	End	530

GI	none	Score	.92
Exons	255..530		

Seq. No.	43969	Seq. ID	OJ000130_35.0323.C8
Gene No.	92408	Strand	-
Start	1	End	633
Name	OJ000130_35.0323.C8.o1.np	Method	AAT/NAP
Start	262	End	530
GI	6478144	Score	141
Exons	262..530		
GI Descrip.	(AJ242802) putative glycine-rich protein [Sporobolus stapfianus]		

Seq. No.	43970	Seq. ID	OJ000130_35.0323.C11
Gene No.	92409	Strand	+
Start	39	End	407
Name	OJ000130_35.0323.C11.o1.gs	Method	GENSCAN
Start	39	End	407
GI	none	Score	.57
Exons	39..142, 398..407		

Seq. No.	43971	Seq. ID	OJ000130_35.0323.C12
Gene No.	92410	Strand	-
Start	1	End	1833
Name	OJ000130_35.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	1833
GI	7487476	Score	45
Exons	1..44, 473..563, 1806..1833		
GI Descrip.	hypothetical protein T27E13.10 - Arabidopsis thaliana gi\|3150404\|gb\|AAC16956.1\| (AC004165) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	43971	Seq. ID	OJ000130_35.0323.C12
Gene No.	92411	Strand	-
Start	2165	End	4320
Name	OJ000130_35.0323.C12.o3.np	Method	AAT/NAP
Start	2165	End	4320
GI	7441223	Score	59
Exons	2165..2551, 4270..4320		
GI Descrip.	hypothetical glycine-rich protein Rv2490c - Mycobacterium tuberculosis (strain H37RV) gi\|2791530\|emb\|CAA16067.1\| (AL021246) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	1559
GI	3283026	Score	315
Exons	1..334, 430..842, 954..1072, 1165..1272, 1338..1559		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	68	End	1263
GI	none	Score	118

Exons	68..226, 952..1056, 956..1075, 959..1069, 1165..1263		
Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	115	End	474
GI	none	Score	141
Exons	115..228, 116..229, 119..229, 257..343, 257..343, 306..347, 424..474		
Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o1.gs	Method	GENSCAN
Start	209	End	1568
GI	none	Score	.6
Exons	209..334, 430..475, 511..597, 1300..1568		
Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	938	End	1266
GI	none	Score	157
Exons	938..1069, 952..1077, 1162..1266		
Seq. No.	43972	Seq. ID	OJ000130_35.0323.C13
Gene No.	92412	Strand	+
Start	1	End	1568
Name	OJ000130_35.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	992	End	1346
GI	none	Score	90
Exons	992..1066, 998..1069, 1165..1266, 1272..1346		
Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92413	Strand	-
Start	126	End	186
Name	OJ000130_35.0323.C15.o1.gp	Method	AAT/GAP
Start	126	End	186
GI	2312838	Score	69
Exons	126..186		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	375	End	1292
GI	none	Score	228
Exons	375..425, 548..721, 550..723, 569..721, 771..905, 803..952, 807..917, 1154..1267, 1164..1292, 1176..1280		
Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993

Name	OJ000130_35.0323.C15.o2.gp	Method	AAT/GAP
Start	415	End	922
GI	LIB3475-008-P1-K1-B8	Score	792
Exons	415..720, 803..922		
GI Descrip.	'4455302/emb\|CAB36837.1\| 3.0e-39 (AL035528) putative protein [Arabidopsis thaliana]'		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o1.np	Method	AAT/NAP
Start	568	End	2993
GI	7485689	Score	975
Exons	568..720, 803..919, 1169..1348, 1497..1625, 1698..1796, 2264..2413, 2565..2720, 2919..2993		
GI Descrip.	hypothetical protein F18A5.120 - Arabidopsis thaliana gi\|4455302\|emb\|CAB36837.1\| (AL035528) putative protein [Arabidopsis thaliana] gi\|7268077\|emb\|CAB78415.1\| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	577	End	922
GI	none	Score	83
Exons	577..720, 578..721, 605..727, 806..922, 807..914		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	578	End	1301
GI	none	Score	92
Exons	578..664, 580..663, 652..723, 659..721, 670..729, 780..905, 801..917, 802..921, 803..925, 803..961, 1154..1300, 1164..1301		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o1.gs	Method	GENSCAN
Start	656	End	2413
GI	none	Score	.79
Exons	656..919, 1169..1348, 1497..1625, 1698..1796, 2264..2413		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	1293	End	2679
GI	none	Score	57
Exons	1293..1343, 1295..1345, 1485..1628, 1494..1631, 1672..1797, 1696..1797, 1698..1805, 2264..2413, 2265..2411, 2550..2672, 2561..2674, 2562..2678, 2563..2679		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-

Start	415	End	2993
Name	OJ000130_35.0323.C15.o2.tc	Method	TBLASTX:Cress
Start	1372	End	2341
GI	none	Score	35
Exons	1372..1404, 1476..1634, 1476..1628, 1535..1636, 1696..1791, 1696..1794, 1698..1808, 2264..2341		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o2.ts	Method	TBLASTX:Soybean
Start	1506	End	2691
GI	none	Score	99
Exons	1506..1619, 1506..1625, 1508..1627, 1684..1791, 1690..1794, 1698..1805, 1698..1805, 2264..2422, 2268..2351, 2562..2672, 2566..2691		

Seq. No.	43973	Seq. ID	OJ000130_35.0323.C15
Gene No.	92414	Strand	-
Start	415	End	2993
Name	OJ000130_35.0323.C15.o3.gp	Method	AAT/GAP
Start	1601	End	2669
GI	27454_1.R1084	Score	647
Exons	1601..1625, 1698..1796, 2264..2413, 2565..2669		
GI Descrip.	'4455302/emb\|CAB36837.1\| 1.0e-46 (AL035528) putative protein [Arabidopsis thaliana]'		

Seq. No.	43974	Seq. ID	OJ000130_35.0323.C16
Gene No.	92415	Strand	+
Start	3242	End	3764
Name	OJ000130_35.0323.C16.o1.gp	Method	AAT/GAP
Start	3120	End	3618
GI	uC-osrocyp013d12b1	Score	641
Exons	3120..3346, 3489..3618		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43974	Seq. ID	OJ000130_35.0323.C16
Gene No.	92415	Strand	+
Start	3242	End	3764
Name	OJ000130_35.0323.C16.o1.gs	Method	GENSCAN
Start	3242	End	3764
GI	none	Score	.94
Exons	3242..3346, 3489..3652, 3695..3764		

Seq. No.	43975	Seq. ID	OJ000130_35.0323.C17
Gene No.	92416	Strand	-
Start	1	End	3548
Name	OJ000130_35.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	3548
GI	6069646	Score	251
Exons	1..657, 3429..3548		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43975	Seq. ID	OJ000130_35.0323.C17
Gene No.	92416	Strand	-
Start	1	End	3548
Name	OJ000130_35.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	367	End	789
GI	none	Score	92
Exons	367..405, 445..642, 685..789		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92417	Strand	+
Start	1	End	5271
Name	OJ000130_35.0323.C18.o1.np	Method	AAT/NAP
Start	1	End	1138
GI	7228450	Score	212
Exons	1..78, 624..706, 813..946, 1025..1138		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92417	Strand	+
Start	1	End	5271
Name	OJ000130_35.0323.C18.o3.np	Method	AAT/NAP
Start	927	End	3934
GI	6498436	Score	357
Exons	927..1101, 3225..3546, 3813..3934		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92417	Strand	+
Start	1	End	5271
Name	OJ000130_35.0323.C18.o1.gs	Method	GENSCAN
Start	1065	End	5271
GI	none	Score	.81
Exons	1065..1296, 1378..1530, 1594..1749, 2761..2989, 3066..3122, 3245..3346, 3372..3530, 3813..3857, 4652..4830, 4928..5068, 5155..5271		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92417	Strand	+
Start	1	End	5271
Name	OJ000130_35.0323.C18.o2.np	Method	AAT/NAP
Start	1680	End	2963
GI	7489751	Score	89
Exons	1680..1729, 2776..2963		
GI Descrip.	histone deacetylase (EC 3.5.1.-) HD2-p39, nucleolar - maize gi\|2257756\|gb\|AAB63262.1\| (U82815) nucleolar histone deacetylase HD2-p39 [Zea mays] gi\|3650466\|gb\|AAC61674.1\| (AF026917) histone deacetylase HD2-p39 [Zea mays]		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92417	Strand	+
Start	1	End	5271
Name	OJ000130_35.0323.C18.o1.gp	Method	AAT/GAP
Start	2348	End	4984
GI	12408_1.R1084	Score	1115
Exons	2348..2409, 2506..2576, 2761..2989, 3066..3095, 4652..4830, 4928..4984		

GI Descrip. '2257756 2.0e-18 (U82815) nucleolar histone deacetylase HD2-p39 [Zea mays] >gi_3650466 (AF026917) histone deacetylase HD2-p39 [Zea mays]'

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92418	Strand	-
Start	3216	End	4554
Name	OJ000130_35.0323.C18.o4.np	Method	AAT/NAP
Start	3216	End	4554
GI	6498436	Score	232
Exons	3216..3310, 4170..4554		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o2.ts	Method	TBLASTX:Soybean
Start	3810	End	7226
GI	none	Score	63
Exons	3810..3887, 6851..7057, 6857..7057, 7068..7136, 7140..7226		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o2.tm	Method	TBLASTX:Maize
Start	5161	End	5505
GI	none	Score	90
Exons	5161..5262, 5161..5256, 5187..5264, 5187..5258, 5257..5505, 5258..5455, 5284..5460		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o3.ts	Method	TBLASTX:Soybean
Start	5459	End	5823
GI	none	Score	55
Exons	5459..5602, 5460..5600, 5605..5823, 5610..5807		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o6.np	Method	AAT/NAP
Start	5459	End	8380
GI	4586028	Score	849
Exons	5459..7491, 8349..8380		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o2.gs	Method	GENSCAN
Start	5514	End	8042
GI	none	Score	.64
Exons	5514..5525, 5618..5716, 6039..6157, 6322..6376, 6626..6793, 6887..7072, 7350..8042		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	5745	End	6288
GI	none	Score	36
Exons	5745..5840, 5845..5955, 5997..6095, 6088..6129, 6090..6287, 6193..6288		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o3.tm	Method	TBLASTX:Maize
Start	5860	End	6288
GI	none	Score	69
Exons	5860..5994, 5997..6095, 6090..6287, 6193..6288		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	5997	End	6451
GI	5509260	Score	39
Exons	5997..6095, 6090..6305, 6101..6136, 6193..6288, 6299..6451		
GI Descrip.	-		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	6088	End	6302
GI	none	Score	105
Exons	6088..6297, 6090..6302		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o2.tw	Method	TBLASTX:Wheat
Start	6851	End	7217
GI	none	Score	85
Exons	6851..7057, 7068..7217		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	7077	End	7471
GI	none	Score	76
Exons	7077..7157, 7077..7157, 7078..7173, 7161..7406, 7161..7421, 7268..7414, 7386..7445, 7405..7470, 7406..7471		

Seq. No.	43976	Seq. ID	OJ000130_35.0323.C18
Gene No.	92419	Strand	-
Start	5514	End	8380
Name	OJ000130_35.0323.C18.o2.tc	Method	TBLASTX:Cress
Start	7104	End	7307
GI	none	Score	72

Exons	7104..7298, 7104..7307		
Seq. No.	43977	Seq. ID	OJ000130_35.0323.C19
Gene No.	92420	Strand	+
Start	205	End	933
Name	OJ000130_35.0323.C19.o1.gp	Method	AAT/GAP
Start	205	End	933
GI	none	Score	821
Exons	205..320, 417..549, 632..933		
Seq. No.	43977	Seq. ID	OJ000130_35.0323.C19
Gene No.	92421	Strand	+
Start	3060	End	3325
Name	OJ000130_35.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	2959	End	3302
GI	none	Score	42
Exons	2959..3000, 3047..3127, 3057..3128, 3158..3265, 3159..3302, 3174..3278		
Seq. No.	43977	Seq. ID	OJ000130_35.0323.C19
Gene No.	92421	Strand	+
Start	3060	End	3325
Name	OJ000130_35.0323.C19.o1.gs	Method	GENSCAN
Start	3060	End	3307
GI	none	Score	.85
Exons	3060..3307		
Seq. No.	43977	Seq. ID	OJ000130_35.0323.C19
Gene No.	92421	Strand	+
Start	3060	End	3325
Name	OJ000130_35.0323.C19.o1.np	Method	AAT/NAP
Start	3069	End	3325
GI	5932548	Score	82
Exons	3069..3325		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		
Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92422	Strand	+
Start	1	End	586
Name	OJ000130_35.0323.C20.o1.np	Method	AAT/NAP
Start	1	End	583
GI	7459232	Score	497
Exons	1..583		
GI Descrip.	hypothetical protein T20K18.40 - Arabidopsis thaliana gi\|4586245\|emb\|CAB40986.1\| (AL049640) putative protein [Arabidopsis thaliana] gi\|7267970\|emb\|CAB78311.1\| (AL161534) putative protein [Arabidopsis thaliana]		
Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92422	Strand	+
Start	1	End	586
Name	OJ000130_35.0323.C20.o1.gs	Method	GENSCAN
Start	62	End	586
GI	none	Score	.97
Exons	62..586		
Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20

Gene No.	92423	Strand	+
Start	505	End	709
Name	OJ000130_35.0323.C20.o1.gp	Method	AAT/GAP
Start	505	End	709
GI	5900746	Score	314
Exons	505..709		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92424	Strand	+
Start	7541	End	8326
Name	OJ000130_35.0323.C20.o2.gp	Method	AAT/GAP
Start	7541	End	8326
GI	uC-osrocyp013d03b1	Score	590
Exons	7541..7658, 8030..8135, 8232..8326		
GI Descrip.	'6063530/dbj\|AP000615.1\|AP000615 2.0e-14 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92425	Strand	+
Start	8232	End	9422
Name	OJ000130_35.0323.C20.o3.np	Method	AAT/NAP
Start	8232	End	9422
GI	6715634	Score	230
Exons	8232..8425, 8480..8601, 9138..9319, 9396..9422		
GI Descrip.	(AC007323) T25K16.4 [Arabidopsis thaliana]		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92426	Strand	-
Start	1737	End	5355
Name	OJ000130_35.0323.C20.o2.gs	Method	GENSCAN
Start	1737	End	5355
GI	none	Score	.81
Exons	1737..1843, 2207..2287, 2687..2758, 2993..2999, 3085..3171, 3283..3363, 3993..4171, 4265..4724, 4761..4920, 4976..5355		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92427	Strand	-
Start	5388	End	7700
Name	OJ000130_35.0323.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	427
GI	none	Score	402
Exons	2..304, 2..88, 130..330, 298..426, 299..427		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92427	Strand	-
Start	5388	End	7700
Name	OJ000130_35.0323.C20.o1.ts	Method	TBLASTX:Soybean
Start	68	End	286
GI	none	Score	192
Exons	68..286		

Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92427	Strand	-
Start	5388	End	7700
Name	OJ000130_35.0323.C20.o2.np	Method	AAT/NAP
Start	5388	End	7234
GI	5852093	Score	61

Exons	5388..5485, 7118..7234		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	43978	Seq. ID	OJ000130_35.0323.C20
Gene No.	92427	Strand	-
Start	5388	End	7700
Name	OJ000130_35.0323.C20.o3.gs	Method	GENSCAN
Start	6346	End	7700
GI	none	Score	.71
Exons	6346..6413, 7541..7700		
Seq. No.	43979	Seq. ID	OJ000130_35.0323.C21
Gene No.	92428	Strand	+
Start	1	End	2273
Name	OJ000130_35.0323.C21.o1.np	Method	AAT/NAP
Start	1	End	2273
GI	1351642	Score	136
Exons	1..39, 1853..2052, 2134..2273		
GI Descrip.	HYPOTHETICAL HELICASE C584.10C IN CHROMOSOME III gi\|2130449\|pir\|\|S62524 hypothetical protein SPAC8A4.08c - fission yeast (Schizosaccharomyces pombe) gi\|7491257\|pir\|\|T39130 hypothetical protein SPAC8A4.08c - fission yeast (Schizosaccharomyces pombe) gi\|7493293\|pir\|\|T41432 ribonuclease - fission yeast (Schizosaccharomyces pombe) gi\|1052539\|emb\|CAA91518.1\| (Z66569) un		
Seq. No.	43979	Seq. ID	OJ000130_35.0323.C21
Gene No.	92428	Strand	+
Start	1	End	2273
Name	OJ000130_35.0323.C21.o1.gs	Method	GENSCAN
Start	117	End	2227
GI	none	Score	.88
Exons	117..181, 507..638, 745..897, 1180..1354, 1668..1773, 1860..2052, 2134..2227		
Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92429	Strand	+
Start	164	End	10189
Name	OJ000130_35.0323.C22.o1.gs	Method	GENSCAN
Start	164	End	10189
GI	none	Score	.75
Exons	164..420, 1166..1386, 1517..2007, 2086..2183, 2439..2662, 2747..2956, 3065..3538, 3625..3906, 4183..4509, 4604..4787, 4919..5030, 5122..5315, 6275..6334, 7656..7694, 7809..7933, 8046..8207, 8311..8356, 8486..8597, 9979..10189		
Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92429	Strand	+
Start	164	End	10189
Name	OJ000130_35.0323.C22.o1.np	Method	AAT/NAP
Start	1822	End	4311
GI	6102610	Score	639
Exons	1822..2007, 2086..2187, 2467..2653, 2747..2956, 3065..3538, 3625..3906, 4183..4311		
GI Descrip.	(AF187317) CAF protein [Arabidopsis thaliana]		
Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22

Gene No.	92429	Strand	+
Start	164	End	10189
Name	OJ000130_35.0323.C22.o2.np	Method	AAT/NAP
Start	1822	End	6005
GI	6102610	Score	645
Exons	1822..2007, 2086..2187, 2467..2653, 2747..2956, 3065..3538, 3625..3906, 4183..4511, 5942..6005		
GI Descrip.	(AF187317) CAF protein [Arabidopsis thaliana]		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o4.ts	Method	TBLASTX:Soybean
Start	161	End	1227
GI	none	Score	187
Exons	161..403, 177..377, 1165..1227		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o3.tm	Method	TBLASTX:Maize
Start	1510	End	1891
GI	none	Score	102
Exons	1510..1671, 1515..1685, 1515..1670, 1516..1692, 1583..1696, 1677..1889, 1683..1889, 1694..1891, 1697..1891		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	2588	End	3804
GI	none	Score	86
Exons	2588..2665, 2589..2657, 2590..2658, 2746..2955, 2747..2956, 2747..2962, 3047..3418, 3047..3412, 3325..3429, 3402..3455, 3411..3455, 3416..3457, 3622..3804		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o2.ts	Method	TBLASTX:Soybean
Start	2795	End	4290
GI	none	Score	93
Exons	2795..2950, 3446..3520, 3622..3840, 4180..4290		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o3.ts	Method	TBLASTX:Soybean
Start	3068	End	3340
GI	none	Score	106
Exons	3068..3160, 3073..3144, 3161..3340, 3203..3340		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o2.tm	Method	TBLASTX:Maize
Start	4130	End	4692

GI	none	Score	230
Exons	4130..4423, 4182..4403, 4183..4425, 4427..4510, 4429..4530, 4432..4509, 4594..4686, 4598..4690, 4603..4692		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o4.tm	Method	TBLASTX:Maize
Start	5131	End	5341
GI	none	Score	180
Exons	5131..5313, 5131..5289, 5159..5341		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o5.tm	Method	TBLASTX:Maize
Start	6972	End	12067
GI	none	Score	69
Exons	6972..7070, 7229..7402, 7230..7415, 7231..7416, 11695..11880, 11716..11898, 11723..11917, 11980..12066, 12032..12067		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o3.np	Method	AAT/NAP
Start	10366	End	12072
GI	7340659	Score	225
Exons	10366..10453, 10510..10678, 10822..10960, 11074..11273, 11706..11897, 11973..12072		
GI Descrip.	(AL162506) histone deacetylase-like protein [Arabidopsis thaliana]		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o2.gs	Method	GENSCAN
Start	10506	End	18059
GI	none	Score	.42
Exons	10506..10733, 10868..10939, 11086..11273, 11322..11349, 11788..11907, 11989..12059, 13006..13109, 13746..14074, 14185..14372, 14401..14639, 14683..14995, 16619..16686, 17515..18059		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o5.np	Method	AAT/NAP
Start	12893	End	16962
GI	3928084	Score	145
Exons	12893..12918, 14525..14980, 16930..16962		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o4.np	Method	AAT/NAP

Start	13581	End	15893
GI	7242910	Score	66
Exons	13581..13666, 13734..13938, 15842..15893		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o6.tm	Method	TBLASTX:Maize
Start	14619	End	14799
GI	none	Score	158
Exons	14619..14798, 14644..14799		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o1.ts	Method	TBLASTX:Soybean
Start	15769	End	15919
GI	none	Score	191
Exons	15769..15918, 15770..15919, 15776..15919		

Seq. No.	43980	Seq. ID	OJ000130_35.0323.C22
Gene No.	92430	Strand	-
Start	10366	End	18059
Name	OJ000130_35.0323.C22.o6.np	Method	AAT/NAP
Start	15773	End	16042
GI	99544	Score	206
Exons	15773..16042		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - spinach chloroplast (fragment) gi\|1334609\|emb\|CAA31553.1\| (X13156) NADH dehydrogenase (subunit B) [Spinacia oleracea]		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92431	Strand	+
Start	2758	End	3056
Name	OJ000130_35.0323.C23.o1.gp	Method	AAT/GAP
Start	2758	End	3056
GI	569735	Score	543
Exons	2758..3056		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92432	Strand	+
Start	12142	End	17940
Name	OJ000130_35.0323.C23.o3.gs	Method	GENSCAN
Start	12142	End	17940
GI	none	Score	.66
Exons	12142..12197, 12708..13362, 13399..13467, 14238..14322, 14416..14556, 14642..14755, 14837..14934, 15323..15402, 15575..15680, 16022..16204, 16306..16362, 16662..16785, 17095..17215, 17664..17940		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92432	Strand	+
Start	12142	End	17940
Name	OJ000130_35.0323.C23.o1.np	Method	AAT/NAP
Start	12194	End	16568
GI	6016736	Score	1090

Exons	12194..12293, 12765..12915, 13178..13362, 14238..14322, 14416..14556, 14642..14755, 14837..14934, 15323..15402, 15575..15680, 15779..15906, 16006..16153, 16306..16362, 16491..16568
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana]

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92432	Strand	+
Start	12142	End	17940
Name	OJ000130_35.0323.C23.o2.gp	Method	AAT/GAP
Start	13250	End	14567
GI	LIB3434-007-P1-K1-G3	Score	565
Exons	13250..13362, 14238..14322, 14416..14567		
GI Descrip.	'6016736/gb\|AAF01562.1\|AC009325_32 3.0e-34 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92432	Strand	+
Start	12142	End	17940
Name	OJ000130_35.0323.C23.o3.gp	Method	AAT/GAP
Start	14669	End	15669
GI	60907_1.R1084	Score	641
Exons	14669..14755, 14837..14934, 15323..15402, 15575..15669		
GI Descrip.	'6016736/gb\|AAF01562.1\|AC009325_32 4.0e-45 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92432	Strand	+
Start	12142	End	17940
Name	OJ000130_35.0323.C23.o4.gp	Method	AAT/GAP
Start	15997	End	17083
GI	18509_1.R1084	Score	1585
Exons	15997..16204, 16306..16362, 16491..17083		
GI Descrip.	'6016736/gb\|AAF01562.1\|AC009325_32 2.0e-21 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92433	Strand	+
Start	20594	End	22975
Name	OJ000130_35.0323.C23.o5.gs	Method	GENSCAN
Start	20594	End	22975
GI	none	Score	.95
Exons	20594..20733, 22678..22975		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92434	Strand	+
Start	27714	End	33802
Name	OJ000130_35.0323.C23.o2.np	Method	AAT/NAP
Start	26960	End	32083
GI	6587806	Score	591
Exons	26960..27108, 27794..28085, 28780..28919, 29289..29417, 29903..30108, 30187..30307, 30666..30842, 31991..32083		
GI Descrip.	(AC010924) Contains similarity to gb\|M82916 MRS2 protein from Saccharomyces cerivisae. ESTs gb\|N96043, gb\|AI998651, gb\|AA585850, gb\|T42027 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92434	Strand	+
Start	27714	End	33802
Name	OJ000130_35.0323.C23.o7.gs	Method	GENSCAN
Start	27714	End	33481
GI	none	Score	.89
Exons	27714..28085, 28671..28919, 29289..29417, 29903..30045, 30172..30307, 30666..30917, 32062..32236, 33435..33481		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92434	Strand	+
Start	27714	End	33802
Name	OJ000130_35.0323.C23.o6.gp	Method	AAT/GAP
Start	27843	End	30253
GI	21496_1.R1084	Score	1551
Exons	27843..28085, 28671..28919, 29289..29417, 29903..30045, 30172..30253		
GI Descrip.	'4406759/gb\|AAD20070\| 1.0e-15 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92434	Strand	+
Start	27714	End	33802
Name	OJ000130_35.0323.C23.o7.gp	Method	AAT/GAP
Start	30656	End	31101
GI	none	Score	798
Exons	30656..31101		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92434	Strand	+
Start	27714	End	33802
Name	OJ000130_35.0323.C23.o8.gp	Method	AAT/GAP
Start	32065	End	33802
GI	387_2.R1084	Score	819
Exons	32065..32236, 33435..33802		
GI Descrip.	'303838/dbj\|D12633\|RIC40SSRPD 9.0e-34 Rice mRNA for 40S subunit ribosomal protein, complete cds'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92435	Strand	+
Start	34234	End	34316
Name	OJ000130_35.0323.C23.o9.gp	Method	AAT/GAP
Start	34234	End	34316
GI	none	Score	143
Exons	34234..34316		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92436	Strand	-
Start	4192	End	5712
Name	OJ000130_35.0323.C23.o2.gs	Method	GENSCAN
Start	4192	End	5712
GI	none	Score	.81
Exons	4192..5712		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92437	Strand	-
Start	18264	End	20133

Name	OJ000130_35.0323.C23.o4.gs	Method	GENSCAN
Start	18264	End	19747
GI	none	Score	.9
Exons	18264..18655, 19064..19256, 19378..19472, 19600..19747		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92437	Strand	-
Start	18264	End	20133
Name	OJ000130_35.0323.C23.o5.gp	Method	AAT/GAP
Start	19621	End	20133
GI	64990_1.R1084	Score	629
Exons	19621..19824, 19997..20133		
GI Descrip.	'1769901/emb\|CAA65052\| 2.0e-14 (X95737) proline transporter 1 [Arabidopsis thaliana] >gi_2088642 (AF002109) proline transporter 1 [Arabidopsis thaliana]'		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92438	Strand	-
Start	23437	End	25682
Name	OJ000130_35.0323.C23.o6.gs	Method	GENSCAN
Start	23437	End	25682
GI	none	Score	.83
Exons	23437..23716, 25525..25682		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o5.tc	Method	TBLASTX:Cress
Start	4255	End	4929
GI	none	Score	52
Exons	4255..4596, 4256..4408, 4389..4505, 4771..4929		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o1.ts	Method	TBLASTX:Soybean
Start	13288	End	15907
GI	none	Score	85
Exons	13288..13368, 14235..14324, 14237..14323, 14408..14569, 14409..14561, 14413..14562, 14630..14737, 14632..14757, 14640..14756, 14826..14936, 14835..14924, 14836..14937, 15293..15400, 15298..15402, 15572..15679, 15573..15680, 15776..15883, 15778..15885, 15778..15906, 15779..15907		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o1.tc	Method	TBLASTX:Cress
Start	13291	End	14756
GI	none	Score	80
Exons	13291..13368, 14231..14323, 14235..14324, 14408..14554, 14409..14561, 14640..14756, 14641..14754		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o1.tm	Method	TBLASTX:Maize

Start	14232	End	16646
GI	none	Score	149
Exons	14232..14324, 14232..14318, 14233..14322, 14234..14332, 14234..14323, 14408..14554, 14409..14561, 14470..14556, 14640..14756, 14641..14757, 14641..14757, 14826..14936, 14829..14936, 14836..14937, 15293..15400, 15298..15405, 15541..15675, 15572..15652, 15572..15676, 15573..15680, 15753..15905, 15775..15906, 15778..15906, 15779..15907, 16001..16207, 16003..16209, 16005..16205, 16141..16206, 16302..16361, 16304..16393, 16305..16361, 16306..16362, 16488..16646, 16490..16612		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o3.tc	Method	TBLASTX:Cress
Start	15576	End	16571
GI	none	Score	169
Exons	15576..15680, 15581..15676, 15775..15906, 15778..15885, 15779..15907, 16001..16051, 16309..16362, 16488..16571		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o4.tc	Method	TBLASTX:Cress
Start	17434	End	19846
GI	none	Score	76
Exons	17434..17574, 17683..17835, 17702..17848, 18297..18656, 18316..18588, 19062..19217, 19363..19482, 19541..19837, 19598..19846		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o4.ts	Method	TBLASTX:Soybean
Start	17434	End	18605
GI	none	Score	247
Exons	17434..17553, 17683..17835, 18303..18605		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o1.tw	Method	TBLASTX:Wheat
Start	18369	End	19217
GI	none	Score	103
Exons	18369..18656, 18376..18636, 19062..19217		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o3.tm	Method	TBLASTX:Maize
Start	18393	End	19233
GI	none	Score	279
Exons	18393..18620, 18394..18621, 18621..18656, 18622..18657, 19062..19232, 19063..19233		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23

Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o3.ts	Method	TBLASTX:Soybean
Start	19062	End	19846
GI	none	Score	47
Exons	19062..19217, 19355..19483, 19363..19482, 19598..19846, 19599..19826		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o5.tm	Method	TBLASTX:Maize
Start	19378	End	19846
GI	none	Score	76
Exons	19378..19473, 19598..19846, 19599..19811		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o2.tm	Method	TBLASTX:Maize
Start	27791	End	28936
GI	none	Score	445
Exons	27791..28084, 27792..28085, 27924..28097, 28656..28928, 28668..28928, 28670..28930, 28682..28936		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o2.tc	Method	TBLASTX:Cress
Start	27795	End	28067
GI	none	Score	330
Exons	27795..28067, 27800..28066		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o2.ts	Method	TBLASTX:Soybean
Start	27795	End	30331
GI	none	Score	332
Exons	27795..28067, 27800..28066, 27933..28067, 28800..28919, 28835..28930, 29286..29420, 29286..29417, 29294..29422, 29333..29419, 29900..29971, 30218..30328, 30236..30331		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o4.tm	Method	TBLASTX:Maize
Start	29286	End	30927
GI	none	Score	208
Exons	29286..29420, 29296..29421, 29296..29418, 29333..29419, 29900..30049, 29901..30047, 30168..30290, 30168..30302, 30170..30310, 30170..30307, 30663..30926, 30666..30926, 30802..30927, 30811..30927		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183

Name	OJ000130_35.0323.C23.o5.ts	Method	TBLASTX:Soybean
Start	30659	End	30977
GI	none	Score	81
Exons	30659..30781, 30664..30759, 30666..30839, 30666..30818, 30698..30838, 30852..30977		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o6.tm	Method	TBLASTX:Maize
Start	32128	End	33542
GI	none	Score	192
Exons	32128..32235, 32129..32236, 32144..32239, 33432..33542		

Seq. No.	43981	Seq. ID	OJ000130_35.0323.C23
Gene No.	92439	Strand	-
Start	33876	End	34183
Name	OJ000130_35.0323.C23.o8.gs	Method	GENSCAN
Start	33876	End	34183
GI	none	Score	.5
Exons	33876..34014, 34020..34183		

Seq. No.	43982	Seq. ID	OJ000130_35.0323.C24
Gene No.	92440	Strand	-
Start	1	End	1136
Name	OJ000130_35.0323.C24.o1.np	Method	AAT/NAP
Start	1	End	1136
GI	7487530	Score	298
Exons	1..110, 922..1136		
GI Descrip.	hypothetical protein T29H11.120 - Arabidopsis thaliana gi\|4678352\|emb\|CAB41162.1\| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	43982	Seq. ID	OJ000130_35.0323.C24
Gene No.	92440	Strand	-
Start	1	End	1136
Name	OJ000130_35.0323.C24.o1.tm	Method	TBLASTX:Maize
Start	12	End	1135
GI	none	Score	74
Exons	12..68, 12..83, 13..132, 922..1134, 995..1135		

Seq. No.	43982	Seq. ID	OJ000130_35.0323.C24
Gene No.	92440	Strand	-
Start	1	End	1136
Name	OJ000130_35.0323.C24.o1.ts	Method	TBLASTX:Soybean
Start	46	End	1120
GI	none	Score	61
Exons	46..135, 943..1119, 992..1120		

Seq. No.	43982	Seq. ID	OJ000130_35.0323.C24
Gene No.	92440	Strand	-
Start	1	End	1136
Name	OJ000130_35.0323.C24.o1.gs	Method	GENSCAN
Start	891	End	1089
GI	none	Score	.78
Exons	891..1089		

Seq. No.	43983	Seq. ID	OJ000150_30.0323.C2
Gene No.	92441	Strand	+
Start	615	End	788
Name	OJ000150_30.0323.C2.o1.gs	Method	GENSCAN
Start	615	End	788
GI	none	Score	.89
Exons	615..788		

Seq. No.	43984	Seq. ID	OJ000150_30.0323.C7
Gene No.	92442	Strand	+
Start	321	End	773
Name	OJ000150_30.0323.C7.o1.gs	Method	GENSCAN
Start	321	End	773
GI	none	Score	.82
Exons	321..773		

Seq. No.	43984	Seq. ID	OJ000150_30.0323.C7
Gene No.	92443	Strand	-
Start	1	End	863
Name	OJ000150_30.0323.C7.o1.gp	Method	AAT/GAP
Start	1	End	744
GI	2801072	Score	328
Exons	1..29, 420..494, 653..744		
GI Descrip.	3281853/emb\|CAA19748\| 5.0e-34 (AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	43984	Seq. ID	OJ000150_30.0323.C7
Gene No.	92443	Strand	-
Start	1	End	863
Name	OJ000150_30.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	863
GI	7486331	Score	202
Exons	1..29, 420..754, 838..863		
GI Descrip.	hypothetical protein F28M20.60 - Arabidopsis thaliana gi\|3281853\|emb\|CAA19748.1\| (AL031004) putative protein [Arabidopsis thaliana] gi\|7270078\|emb\|CAB79893.1\| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	43984	Seq. ID	OJ000150_30.0323.C7
Gene No.	92443	Strand	-
Start	1	End	863
Name	OJ000150_30.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	727
GI	none	Score	38
Exons	3..32, 3..44, 418..495, 420..497, 436..507, 653..727, 654..725		

Seq. No.	43985	Seq. ID	OJ000150_30.0323.C11
Gene No.	92444	Strand	+
Start	12	End	95
Name	OJ000150_30.0323.C11.o1.gs	Method	GENSCAN
Start	12	End	95
GI	none	Score	.91
Exons	12..95		

Seq. No.	43986	Seq. ID	OJ000150_30.0323.C13
Gene No.	92445	Strand	+
Start	125	End	1396

Name	OJ000150_30.0323.C13.o1.gs	Method	GENSCAN
Start	125	End	1213
GI	none	Score	.58
Exons	125..1213		

Seq. No.	43986	Seq. ID	OJ000150_30.0323.C13
Gene No.	92445	Strand	+
Start	125	End	1396
Name	OJ000150_30.0323.C13.o1.np	Method	AAT/NAP
Start	125	End	1396
GI	4680179	Score	1805
Exons	125..1180, 1373..1396		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43986	Seq. ID	OJ000150_30.0323.C13
Gene No.	92445	Strand	+
Start	125	End	1396
Name	OJ000150_30.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	392	End	751
GI	none	Score	308
Exons	392..751, 418..492, 517..750		

Seq. No.	43986	Seq. ID	OJ000150_30.0323.C13
Gene No.	92445	Strand	+
Start	125	End	1396
Name	OJ000150_30.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	632	End	928
GI	none	Score	205
Exons	632..928, 632..886		

Seq. No.	43987	Seq. ID	OJ000150_30.0323.C16
Gene No.	92446	Strand	+
Start	924	End	1237
Name	OJ000150_30.0323.C16.o1.np	Method	AAT/NAP
Start	924	End	1237
GI	6069646	Score	232
Exons	924..1237		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43987	Seq. ID	OJ000150_30.0323.C16
Gene No.	92447	Strand	-
Start	351	End	1114
Name	OJ000150_30.0323.C16.o1.gs	Method	GENSCAN
Start	351	End	1114
GI	none	Score	.64
Exons	351..425, 1046..1114		

Seq. No.	43988	Seq. ID	OJ000150_30.0323.C17
Gene No.	92448	Strand	-
Start	1	End	825
Name	OJ000150_30.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	825
GI	4680179	Score	1416

Exons	1..825		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	43988	Seq. ID	OJ000150_30.0323.C17
Gene No.	92448	Strand	-
Start	1	End	825
Name	OJ000150_30.0323.C17.o2.tw	Method	TBLASTX:Wheat
Start	2	End	311
GI	none	Score	70
Exons	2..310, 8..160, 102..218, 203..283, 258..311		
Seq. No.	43988	Seq. ID	OJ000150_30.0323.C17
Gene No.	92448	Strand	-
Start	1	End	825
Name	OJ000150_30.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	158	End	757
GI	none	Score	244
Exons	158..598, 171..596, 596..757, 603..749		
Seq. No.	43988	Seq. ID	OJ000150_30.0323.C17
Gene No.	92448	Strand	-
Start	1	End	825
Name	OJ000150_30.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	311	End	821
GI	none	Score	293
Exons	311..820, 312..821		
Seq. No.	43989	Seq. ID	OJ000150_30.0323.C18
Gene No.	92449	Strand	-
Start	211	End	789
Name	OJ000150_30.0323.C18.o2.tm	Method	TBLASTX:Maize
Start	205	End	435
GI	none	Score	197
Exons	205..237, 238..435		
Seq. No.	43989	Seq. ID	OJ000150_30.0323.C18
Gene No.	92449	Strand	-
Start	211	End	789
Name	OJ000150_30.0323.C18.o1.gs	Method	GENSCAN
Start	211	End	651
GI	none	Score	.87
Exons	211..651		
Seq. No.	43989	Seq. ID	OJ000150_30.0323.C18
Gene No.	92449	Strand	-
Start	211	End	789
Name	OJ000150_30.0323.C18.o1.np	Method	AAT/NAP
Start	214	End	789
GI	4680179	Score	960
Exons	214..789		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	43989	Seq. ID	OJ000150_30.0323.C18
Gene No.	92449	Strand	-
Start	211	End	789
Name	OJ000150_30.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	224	End	681

GI	none	Score	35
Exons	224..277, 259..681, 280..441, 383..499, 484..564, 539..661		

Seq. No.	43989	Seq. ID	OJ000150_30.0323.C18
Gene No.	92449	Strand	-
Start	211	End	789
Name	OJ000150_30.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	439	End	784
GI	none	Score	188
Exons	439..783, 452..784		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92450	Strand	+
Start	8130	End	8899
Name	OJ000150_30.0323.C19.o3.np	Method	AAT/NAP
Start	8130	End	8899
GI	4680183	Score	181
Exons	8130..8200, 8810..8899		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92451	Strand	-
Start	1707	End	6269
Name	OJ000150_30.0323.C19.o1.np	Method	AAT/NAP
Start	1707	End	6269
GI	4680179	Score	7907
Exons	1707..6269		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o6.tw	Method	TBLASTX:Wheat
Start	1717	End	2085
GI	none	Score	35
Exons	1717..1770, 1752..2084, 1773..1934, 1876..1992, 1977..2057, 2032..2085		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o7.tm	Method	TBLASTX:Maize
Start	1731	End	1928
GI	none	Score	197
Exons	1731..1928		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	1932	End	2531
GI	none	Score	250
Exons	1932..2372, 1945..2370, 2370..2531, 2377..2523		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344

Name	OJ000150_30.0323.C19.o1.tw	Method	TBLASTX:Wheat
Start	2085	End	2711
GI	none	Score	343
Exons	2085..2711, 2086..2709		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o4.tm	Method	TBLASTX:Maize
Start	2580	End	2871
GI	none	Score	253
Exons	2580..2870, 2584..2871		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o2.ts	Method	TBLASTX:Soybean
Start	2670	End	2930
GI	none	Score	109
Exons	2670..2861, 2670..2930, 2671..2925		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o1.tc	Method	TBLASTX:Cress
Start	2694	End	3011
GI	none	Score	90
Exons	2694..2837, 2695..2835, 2838..3011		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o3.tw	Method	TBLASTX:Wheat
Start	2718	End	3197
GI	none	Score	239
Exons	2718..3197, 2719..2973, 2751..3164		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o2.tw	Method	TBLASTX:Wheat
Start	3201	End	3710
GI	none	Score	252
Exons	3201..3710, 3285..3632, 3367..3678		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o2.tm	Method	TBLASTX:Maize
Start	3273	End	3638
GI	none	Score	155
Exons	3273..3584, 3285..3638, 3370..3636		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o3.ts	Method	TBLASTX:Soybean

Start	3459	End	3704
GI	none	Score	202
Exons	3459..3704		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o3.tm	Method	TBLASTX:Maize
Start	3675	End	4175
GI	none	Score	92
Exons	3675..4010, 3720..3998, 3996..4175		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o5.tw	Method	TBLASTX:Wheat
Start	3711	End	4013
GI	none	Score	235
Exons	3711..4013, 3712..3981, 3720..4013		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	3726	End	4121
GI	none	Score	68
Exons	3726..3830, 3726..4085, 3727..3981, 3855..4085, 4077..4121, 4089..4121		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o4.tw	Method	TBLASTX:Wheat
Start	4062	End	4544
GI	none	Score	176
Exons	4062..4544, 4071..4415, 4105..4440		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o4.ts	Method	TBLASTX:Soybean
Start	4194	End	4508
GI	none	Score	60
Exons	4194..4508, 4195..4392		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o5.tm	Method	TBLASTX:Maize
Start	4243	End	4532
GI	none	Score	165
Exons	4243..4434, 4245..4532		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o8.tw	Method	TBLASTX:Wheat

Start	4701	End	5123
GI	none	Score	107
Exons	4701..4889, 4708..4863, 4929..5123, 4975..5088		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o6.tm	Method	TBLASTX:Maize
Start	5466	End	5762
GI	none	Score	91
Exons	5466..5762, 5575..5745		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o7.tw	Method	TBLASTX:Wheat
Start	5643	End	6002
GI	none	Score	96
Exons	5643..6002, 5644..5877, 5902..5976		

Seq. No.	43990	Seq. ID	OJ000150_30.0323.C19
Gene No.	92452	Strand	-
Start	6526	End	7344
Name	OJ000150_30.0323.C19.o2.np	Method	AAT/NAP
Start	6526	End	7344
GI	5042448	Score	1143
Exons	6526..7344		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	43991	Seq. ID	OJ000150_30.0323.C20
Gene No.	92453	Strand	-
Start	1	End	1627
Name	OJ000150_30.0323.C20.o1.np	Method	AAT/NAP
Start	1	End	102
GI	5042448	Score	161
Exons	1..102		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	43991	Seq. ID	OJ000150_30.0323.C20
Gene No.	92453	Strand	-
Start	1	End	1627
Name	OJ000150_30.0323.C20.o2.np	Method	AAT/NAP
Start	1	End	1627
GI	7340881	Score	62
Exons	1..66, 818..919, 1581..1627		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43991	Seq. ID	OJ000150_30.0323.C20
Gene No.	92453	Strand	-
Start	1	End	1627
Name	OJ000150_30.0323.C20.o1.gs	Method	GENSCAN
Start	13	End	1535
GI	none	Score	.79
Exons	13..168, 1431..1535		

Seq. No.	43991	Seq. ID	OJ000150_30.0323.C20
Gene No.	92453	Strand	-
Start	1	End	1627
Name	OJ000150_30.0323.C20.o3.np	Method	AAT/NAP
Start	1449	End	1535
GI	6721561	Score	87
Exons	1449..1535		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43992	Seq. ID	OJ000150_30.0323.C25
Gene No.	92454	Strand	+
Start	411	End	593
Name	OJ000150_30.0323.C25.o1.gs	Method	GENSCAN
Start	411	End	593
GI	none	Score	.85
Exons	411..593		

Seq. No.	43993	Seq. ID	OJ000150_30.0323.C26
Gene No.	92455	Strand	+
Start	1	End	520
Name	OJ000150_30.0323.C26.o1.np	Method	AAT/NAP
Start	1	End	520
GI	7340881	Score	54
Exons	1..57, 278..382, 489..520		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43993	Seq. ID	OJ000150_30.0323.C26
Gene No.	92456	Strand	-
Start	1	End	826
Name	OJ000150_30.0323.C26.o2.np	Method	AAT/NAP
Start	1	End	826
GI	4680183	Score	407
Exons	1..65, 507..826		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43993	Seq. ID	OJ000150_30.0323.C26
Gene No.	92456	Strand	-
Start	1	End	826
Name	OJ000150_30.0323.C26.o1.gs	Method	GENSCAN
Start	224	End	752
GI	none	Score	.66
Exons	224..309, 549..752		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o1.gs	Method	GENSCAN
Start	250	End	3385
GI	none	Score	.99
Exons	250..282, 1397..3385		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+

Start	250	End	3433
Name	OJ000150_30.0323.C29.o1.np	Method	AAT/NAP
Start	1397	End	3433
GI	6721517	Score	2166
Exons	1397..1478, 1516..1638, 1697..2473, 2522..3433		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o2.tw	Method	TBLASTX:Wheat
Start	1610	End	1990
GI	none	Score	304
Exons	1610..1990, 1630..1989		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o2.tm	Method	TBLASTX:Maize
Start	1871	End	2203
GI	none	Score	214
Exons	1871..2203, 1894..2058		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o3.tw	Method	TBLASTX:Wheat
Start	2531	End	2932
GI	none	Score	150
Exons	2531..2755, 2545..2697, 2759..2932, 2792..2851, 2833..2901		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o3.tm	Method	TBLASTX:Maize
Start	2569	End	2845
GI	none	Score	195
Exons	2569..2670, 2570..2845		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o1.tw	Method	TBLASTX:Wheat
Start	3107	End	3433
GI	none	Score	387
Exons	3107..3433, 3211..3423, 3218..3433		

Seq. No.	43994	Seq. ID	OJ000150_30.0323.C29
Gene No.	92457	Strand	+
Start	250	End	3433
Name	OJ000150_30.0323.C29.o1.tm	Method	TBLASTX:Maize
Start	3119	End	3408
GI	none	Score	322
Exons	3119..3406, 3217..3408		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+

Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.np	Method	AAT/NAP
Start	1	End	6266
GI	4680179	Score	4950
Exons	1..1558, 4808..6266		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.gs	Method	GENSCAN
Start	150	End	1655
GI	none	Score	.96
Exons	150..1655		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o4.tw	Method	TBLASTX:Wheat
Start	180	End	662
GI	none	Score	546
Exons	180..662, 284..619		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o4.ts	Method	TBLASTX:Soybean
Start	216	End	530
GI	none	Score	183
Exons	216..530		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o3.tm	Method	TBLASTX:Maize
Start	249	End	716
GI	none	Score	389
Exons	249..716, 320..619		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.ts	Method	TBLASTX:Soybean
Start	603	End	998
GI	none	Score	57
Exons	603..635, 605..631, 639..998, 646..717, 651..968, 743..997		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o5.tw	Method	TBLASTX:Wheat
Start	711	End	1013
GI	none	Score	401
Exons	711..1013, 714..1004, 743..1012		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+

Start	1	End	6269
Name	OJ000150_30.0323.C30.o5.tm	Method	TBLASTX:Maize
Start	732	End	1085
GI	none	Score	328
Exons	732..1085, 800..1078		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o2.tw	Method	TBLASTX:Wheat
Start	1014	End	1523
GI	none	Score	623
Exons	1014..1523, 1022..1432, 1053..1436		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o3.ts	Method	TBLASTX:Soybean
Start	1020	End	1265
GI	none	Score	209
Exons	1020..1265		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o2.tm	Method	TBLASTX:Maize
Start	1086	End	1449
GI	none	Score	479
Exons	1086..1439, 1088..1432, 1126..1449		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o2.gs	Method	GENSCAN
Start	2183	End	6269
GI	none	Score	.56
Exons	2183..2556, 2689..2859, 3710..3842, 4770..6269		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o3.tw	Method	TBLASTX:Wheat
Start	4803	End	5255
GI	none	Score	558
Exons	4803..5255, 4809..5219, 5000..5254		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.tc	Method	TBLASTX:Cress
Start	4962	End	5279
GI	none	Score	93
Exons	4962..5135, 5136..5279, 5138..5278		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269

Name	OJ000150_30.0323.C30.o2.ts	Method	TBLASTX:Soybean
Start	5043	End	5303
GI	none	Score	303
Exons	5043..5303, 5048..5302		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o4.tm	Method	TBLASTX:Maize
Start	5102	End	5393
GI	none	Score	386
Exons	5102..5389, 5103..5393		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5888
GI	none	Score	724
Exons	5262..5888, 5264..5887		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o1.tm	Method	TBLASTX:Maize
Start	5442	End	6029
GI	none	Score	218
Exons	5442..5603, 5448..5594, 5450..5596, 5600..6028, 5601..6029		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o6.tw	Method	TBLASTX:Wheat
Start	5888	End	6256
GI	none	Score	372
Exons	5888..6088, 5889..6221, 6203..6256		

Seq. No.	43995	Seq. ID	OJ000150_30.0323.C30
Gene No.	92458	Strand	+
Start	1	End	6269
Name	OJ000150_30.0323.C30.o6.tm	Method	TBLASTX:Maize
Start	6030	End	6242
GI	none	Score	202
Exons	6030..6242		

Seq. No.	43996	Seq. ID	OJ000150_30.0323.C31
Gene No.	92459	Strand	+
Start	394	End	777
Name	OJ000150_30.0323.C31.o1.gp	Method	AAT/GAP
Start	394	End	777
GI	uC-osflcyp033a04b1	Score	657
Exons	394..777		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43996	Seq. ID	OJ000150_30.0323.C31
Gene No.	92460	Strand	+

Start	1486	End	2294
Name	OJ000150_30.0323.C31.o1.np	Method	AAT/NAP
Start	1486	End	2294
GI	4680179	Score	1184
Exons	1486..2294		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43996	Seq. ID	OJ000150_30.0323.C31
Gene No.	92460	Strand	+
Start	1486	End	2294
Name	OJ000150_30.0323.C31.o1.tw	Method	TBLASTX:Wheat
Start	1580	End	2002
GI	none	Score	157
Exons	1580..1774, 1615..1728, 1814..2002, 1840..1995		

Seq. No.	43997	Seq. ID	OJ000150_30.0323.C32
Gene No.	92461	Strand	-
Start	340	End	1971
Name	OJ000150_30.0323.C32.o1.np	Method	AAT/NAP
Start	340	End	1971
GI	7363272	Score	340
Exons	340..469, 529..1105, 1904..1971		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o1.gs	Method	GENSCAN
Start	241	End	5821
GI	none	Score	.62
Exons	241..523, 714..3542, 3639..5821		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o1.np	Method	AAT/NAP
Start	285	End	441
GI	7363271	Score	128
Exons	285..441		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o2.np	Method	AAT/NAP
Start	500	End	5956
GI	5922631	Score	6135
Exons	500..3024, 3631..4554, 4681..4832, 4875..5446, 5492..5661, 5815..5956		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o6.tm	Method	TBLASTX:Maize
Start	596	End	856
GI	none	Score	183
Exons	596..856		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o6.tw	Method	TBLASTX:Wheat
Start	596	End	1087
GI	none	Score	80
Exons	596..754, 809..1087, 825..926, 978..1067		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o5.tm	Method	TBLASTX:Maize
Start	857	End	1130
GI	none	Score	56
Exons	857..943, 953..1036, 966..1040, 1023..1130, 1031..1129		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o3.tw	Method	TBLASTX:Wheat
Start	1202	End	1589
GI	none	Score	101
Exons	1202..1387, 1202..1588, 1278..1589		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o1.tm	Method	TBLASTX:Maize
Start	1232	End	1594
GI	none	Score	67
Exons	1232..1279, 1233..1280, 1251..1574, 1271..1594, 1284..1574		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o5.tw	Method	TBLASTX:Wheat
Start	1783	End	4291
GI	none	Score	52
Exons	1783..1842, 3834..4070, 3836..4066, 4115..4291		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o4.tw	Method	TBLASTX:Wheat
Start	1907	End	2329
GI	none	Score	273
Exons	1907..2329, 1917..2321		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33

Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o2.ts	Method	TBLASTX:Soybean
Start	1950	End	2338
GI	none	Score	149
Exons	1950..2330, 1952..2338		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o4.tm	Method	TBLASTX:Maize
Start	2003	End	2276
GI	none	Score	66
Exons	2003..2101, 2004..2069, 2105..2266, 2106..2276		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o8.tw	Method	TBLASTX:Wheat
Start	2333	End	2615
GI	none	Score	70
Exons	2333..2614, 2345..2479, 2538..2615		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o2.tm	Method	TBLASTX:Maize
Start	2453	End	2897
GI	none	Score	89
Exons	2453..2479, 2477..2650, 2490..2621, 2636..2872, 2642..2896, 2643..2897		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o1.ts	Method	TBLASTX:Soybean
Start	2564	End	2965
GI	none	Score	39
Exons	2564..2965, 2637..2768, 2805..2948		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o2.tw	Method	TBLASTX:Wheat
Start	2619	End	3043
GI	none	Score	284
Exons	2619..2999, 2633..3043		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o3.tm	Method	TBLASTX:Maize
Start	3128	End	3484
GI	none	Score	86
Exons	3128..3421, 3128..3484, 3138..3443		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33

Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o1.tw	Method	TBLASTX:Wheat
Start	3158	End	3614
GI	none	Score	271
Exons	3158..3613, 3159..3614		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o3.ts	Method	TBLASTX:Soybean
Start	3209	End	3574
GI	none	Score	138
Exons	3209..3343, 3350..3574		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o7.tm	Method	TBLASTX:Maize
Start	3836	End	3983
GI	none	Score	114
Exons	3836..3982, 3837..3983		

Seq. No.	43998	Seq. ID	OJ000150_30.0323.C33
Gene No.	92462	Strand	-
Start	241	End	5956
Name	OJ000150_30.0323.C33.o7.tw	Method	TBLASTX:Wheat
Start	4868	End	5270
GI	none	Score	117
Exons	4868..5269, 5001..5270		

Seq. No.	43999	Seq. ID	OJ000150_30.0323.C34
Gene No.	92463	Strand	+
Start	225	End	571
Name	OJ000150_30.0323.C34.o1.gs	Method	GENSCAN
Start	225	End	571
GI	none	Score	.47
Exons	225..571		

Seq. No.	43999	Seq. ID	OJ000150_30.0323.C34
Gene No.	92464	Strand	-
Start	1	End	530
Name	OJ000150_30.0323.C34.o1.np	Method	AAT/NAP
Start	1	End	530
GI	5902444	Score	763
Exons	1..530		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44000	Seq. ID	OJ000150_30.0323.C45
Gene No.	92465	Strand	+
Start	1	End	368
Name	OJ000150_30.0323.C45.o1.gp	Method	AAT/GAP
Start	1	End	368
GI	uC-osf1cyp033a04b1	Score	597
Exons	1..368		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44000	Seq. ID	OJ000150_30.0323.C45
Gene No.	92466	Strand	-
Start	1	End	1478
Name	OJ000150_30.0323.C45.o1.np	Method	AAT/NAP
Start	1	End	1478
GI	4680186	Score	149
Exons	1..131, 1439..1478		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92467	Strand	+
Start	818	End	6135
Name	OJ000150_30.0323.C46.o1.gp	Method	AAT/GAP
Start	818	End	1203
GI	uC-osflcyp033a04b1	Score	629
Exons	818..1203		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92467	Strand	+
Start	818	End	6135
Name	OJ000150_30.0323.C46.o1.gs	Method	GENSCAN
Start	923	End	3805
GI	none	Score	.46
Exons	923..988, 2456..3805		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92467	Strand	+
Start	818	End	6135
Name	OJ000150_30.0323.C46.o2.np	Method	AAT/NAP
Start	2487	End	6135
GI	6983860	Score	660
Exons	2487..3258, 3457..3692, 6090..6135		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92467	Strand	+
Start	818	End	6135
Name	OJ000150_30.0323.C46.o3.np	Method	AAT/NAP
Start	3637	End	3751
GI	130582	Score	46
Exons	3637..3751		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92468	Strand	-
Start	747	End	2700
Name	OJ000150_30.0323.C46.o1.np	Method	AAT/NAP
Start	747	End	2700
GI	4680186	Score	204
Exons	747..969, 2673..2700		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92469	Strand	
Start	2678	End	3217
Name	OJ000150_30.0323.C46.o1.tw	Method	TBLASTX:Wheat
Start	2678	End	3037
GI	none	Score	274
Exons	2678..3037, 2680..3033		

Seq. No.	44001	Seq. ID	OJ000150_30.0323.C46
Gene No.	92469	Strand	
Start	2678	End	3217
Name	OJ000150_30.0323.C46.o1.tm	Method	TBLASTX:Maize
Start	2918	End	3217
GI	none	Score	227
Exons	2918..3217, 2932..3021		

Seq. No.	44002	Seq. ID	OJ000150_30.0323.C47
Gene No.	92470	Strand	+
Start	207	End	724
Name	OJ000150_30.0323.C47.o1.gs	Method	GENSCAN
Start	207	End	724
GI	none	Score	.71
Exons	207..347, 605..724		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92471	Strand	+
Start	108	End	273
Name	OJ000150_30.0323.C53.o1.gs	Method	GENSCAN
Start	108	End	273
GI	none	Score	.77
Exons	108..183, 251..273		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92472	Strand	+
Start	662	End	1348
Name	OJ000150_30.0323.C53.o1.gp	Method	AAT/GAP
Start	662	End	1348
GI	1124_2.R1084	Score	1218
Exons	662..1348		

GI Descrip. '2494320/sp|P55876|IF5_MAIZE 9.0e-25 EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5) >gi_1806575_emb_CAA67868_ (X99517) Eukaryotic initiation factor-5 [Zea mays]'

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92473	Strand	-
Start	967	End	1538
Name	OJ000150_30.0323.C53.o1.tc	Method	TBLASTX:Cress
Start	809	End	1194
GI	none	Score	63
Exons	809..862, 955..1041, 967..1047, 968..1048, 1057..1194, 1058..1174		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92473	Strand	-
Start	967	End	1538

Name	OJ000150_30.0323.C53.o1.np	Method	AAT/NAP
Start	964	End	1538
GI	4160402	Score	586
Exons	964..1538		
GI Descrip.	(AJ132240) eukaryotic translation initiation factor 5 [Zea mays]		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92473	Strand	-
Start	967	End	1538
Name	OJ000150_30.0323.C53.o2.gs	Method	GENSCAN
Start	967	End	1533
GI	none	Score	.89
Exons	967..1533		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92473	Strand	-
Start	967	End	1538
Name	OJ000150_30.0323.C53.o1.tm	Method	TBLASTX:Maize
Start	971	End	1538
GI	none	Score	400
Exons	971..1528, 976..1218, 995..1357, 1276..1428, 1487..1537, 1506..1538		

Seq. No.	44003	Seq. ID	OJ000150_30.0323.C53
Gene No.	92473	Strand	-
Start	967	End	1538
Name	OJ000150_30.0323.C53.o1.tw	Method	TBLASTX:Wheat
Start	971	End	1250
GI	none	Score	263
Exons	971..1219, 976..1218, 984..1250, 992..1249		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92474	Strand	+
Start	265	End	4310
Name	OJ000150_30.0323.C55.o1.np	Method	AAT/NAP
Start	265	End	4310
GI	7485479	Score	652
Exons	265..304, 1819..2040, 2071..2236, 2264..2627, 2672..3119, 4269..4310		
GI Descrip.	hypothetical protein F14M19.110 - Arabidopsis thaliana gi\|4539301\|emb\|CAB39604.1\| (AL049480) putative mitochondrial protein [Arabidopsis thaliana] gi\|7269434\|emb\|CAB79438.1\| (AL161564) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92474	Strand	+
Start	265	End	4310
Name	OJ000150_30.0323.C55.o1.gs	Method	GENSCAN
Start	1639	End	3165
GI	none	Score	1
Exons	1639..3165		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92474	Strand	+
Start	265	End	4310
Name	OJ000150_30.0323.C55.o1.gp	Method	AAT/GAP
Start	1939	End	2390

GI	3760307	Score	842
Exons	1939..2390		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92475	Strand	+
Start	10244	End	14076
Name	OJ000150_30.0323.C55.o3.gs	Method	GENSCAN
Start	10244	End	14076
GI	none	Score	.52
Exons	10244..10317, 10612..10766, 11899..11955, 12166..12376, 12387..12441, 12483..12600, 12612..12739, 14029..14076		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92476	Strand	+
Start	15044	End	16319
Name	OJ000150_30.0323.C55.o4.gs	Method	GENSCAN
Start	15044	End	16319
GI	none	Score	.71
Exons	15044..15139, 15194..15298, 15395..15609, 15709..15866, 16282..16319		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92477	Strand	-
Start	4840	End	8828
Name	OJ000150_30.0323.C55.o2.np	Method	AAT/NAP
Start	4840	End	8828
GI	7485479	Score	614
Exons	4840..4868, 6190..7025, 7070..7271, 8789..8828		
GI Descrip.	hypothetical protein F14M19.110 - Arabidopsis thaliana gi\|4539301\|emb\|CAB39604.1\| (AL049480) putative mitochondrial protein [Arabidopsis thaliana] gi\|7269434\|emb\|CAB79438.1\| (AL161564) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o1.ts	Method	TBLASTX:Soybean
Start	1651	End	6987
GI	none	Score	65
Exons	1651..1734, 2281..2628, 2304..2618, 2745..2948, 2749..2967, 3001..3141, 6203..6403, 6209..6385, 6475..6843, 6638..6718, 6868..6987		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o2.tm	Method	TBLASTX:Maize
Start	1824	End	7323
GI	none	Score	53
Exons	1824..2006, 1825..1899, 1966..2007, 7102..7245, 7106..7246, 7249..7323		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o1.tm	Method	TBLASTX:Maize
Start	2272	End	6864

GI	none	Score	349
Exons	2272..2628, 2286..2495, 2736..2888, 2773..2889, 6287..6403, 6290..6385, 6318..6401, 6469..6864, 6638..6721		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o1.tw	Method	TBLASTX:Wheat
Start	2755	End	6403
GI	none	Score	235
Exons	2755..2970, 2775..2927, 6203..6403, 6203..6403		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o1.tc	Method	TBLASTX:Cress
Start	2773	End	6403
GI	none	Score	246
Exons	2773..2970, 2775..2903, 3010..3153, 6203..6403		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o3.np	Method	AAT/NAP
Start	10805	End	20416
GI	1170408	Score	286
Exons	10805..10906, 19677..19732, 19763..19889, 19988..20067, 20286..20416		
GI Descrip.	HOMEOBOX-LEUCINE ZIPPER PROTEIN HAT14 (HD-ZIP PROTEIN 14) gi\|549885 (U09334) homeobox protein [Arabidopsis thaliana]		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o5.gs	Method	GENSCAN
Start	19616	End	20702
GI	none	Score	.91
Exons	19616..19889, 19988..20067, 20286..20702		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o2.ts	Method	TBLASTX:Soybean
Start	19676	End	20367
GI	none	Score	83
Exons	19676..19714, 19778..19897, 19839..19892, 19987..20064, 19988..20029, 20289..20366, 20293..20367		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o2.tc	Method	TBLASTX:Cress
Start	19778	End	20363
GI	none	Score	86
Exons	19778..19897, 19839..19892, 19987..20064, 19988..20029, 20289..20363		

Seq. No.	44004	Seq. ID	OJ000150_30.0323.C55
Gene No.	92478	Strand	-
Start	10805	End	20702
Name	OJ000150_30.0323.C55.o3.tm	Method	TBLASTX:Maize
Start	19778	End	20085
GI	none	Score	76
Exons	19778..19897, 19839..19892, 19987..20085, 19988..20029		

Seq. No.	44005	Seq. ID	OJ000150_30.0323.C56
Gene No.	92479	Strand	+
Start	69	End	1082
Name	OJ000150_30.0323.C56.o1.gs	Method	GENSCAN
Start	69	End	1082
GI	none	Score	.88
Exons	69..260, 867..1082		

Seq. No.	44005	Seq. ID	OJ000150_30.0323.C56
Gene No.	92480	Strand	-
Start	2261	End	2916
Name	OJ000150_30.0323.C56.o2.gs	Method	GENSCAN
Start	2261	End	2916
GI	none	Score	.41
Exons	2261..2462, 2488..2714, 2753..2916		

Seq. No.	44005	Seq. ID	OJ000150_30.0323.C56
Gene No.	92481	Strand	-
Start	3060	End	4011
Name	OJ000150_30.0323.C56.o1.np	Method	AAT/NAP
Start	3060	End	4011
GI	6069646	Score	223
Exons	3060..3090, 3272..3364, 3397..3649, 3974..4011		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44006	Seq. ID	OJ000150_30.0323.C57
Gene No.	92482	Strand	-
Start	721	End	1420
Name	OJ000150_30.0323.C57.o1.gp	Method	AAT/GAP
Start	721	End	1081
GI	2801072	Score	669
Exons	721..1081		
GI Descrip.	3281853/emb\|CAA19748\| 5.0e-34 (AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	44006	Seq. ID	OJ000150_30.0323.C57
Gene No.	92482	Strand	-
Start	721	End	1420
Name	OJ000150_30.0323.C57.o1.np	Method	AAT/NAP
Start	866	End	1420
GI	7486331	Score	81
Exons	866..1093, 1325..1420		
GI Descrip.	hypothetical protein F28M20.60 - Arabidopsis thaliana gi\|3281853\|emb\|CAA19748.1\| (AL031004) putative protein [Arabidopsis thaliana] gi\|7270078\|emb\|CAB79893.1\| (AL161579)		

putative protein [Arabidopsis thaliana]

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92483	Strand	+
Start	2738	End	6629
Name	OJ000150_30.0323.C58.o2.gs	Method	GENSCAN
Start	2738	End	6629
GI	none	Score	.52
Exons	2738..2940, 3097..3394, 3447..3752, 5903..6104, 6526..6629		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92483	Strand	+
Start	2738	End	6629
Name	OJ000150_30.0323.C58.o2.np	Method	AAT/NAP
Start	2741	End	5140
GI	7239507	Score	161
Exons	2741..3106, 5081..5140		
GI Descrip.	(AC012654) Contains similarity to the polyadenylation factor 64 kDa subunit from Xenopus laevis gb\|U17394; It contains RNA recognition motif PF\|00076. ESTs gb\|AI993960 and T42211 come from this gene. [Arabidopsis thaliana]		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92483	Strand	+
Start	2738	End	6629
Name	OJ000150_30.0323.C58.o3.np	Method	AAT/NAP
Start	3291	End	4782
GI	5852093	Score	78
Exons	3291..3310, 4676..4782		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92484	Strand	+
Start	7600	End	8174
Name	OJ000150_30.0323.C58.o3.gs	Method	GENSCAN
Start	7600	End	8174
GI	none	Score	.64
Exons	7600..7656, 8067..8174		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92485	Strand	-
Start	1	End	2089
Name	OJ000150_30.0323.C58.o1.np	Method	AAT/NAP
Start	1	End	1702
GI	7486331	Score	713
Exons	1..311, 431..517, 739..897, 1004..1102, 1218..1420, 1609..1702		
GI Descrip.	hypothetical protein F28M20.60 - Arabidopsis thaliana gi\|3281853\|emb\|CAA19748.1\| (AL031004) putative protein [Arabidopsis thaliana] gi\|7270078\|emb\|CAB79893.1\| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92485	Strand	-
Start	1	End	2089
Name	OJ000150_30.0323.C58.o1.gp	Method	AAT/GAP
Start	220	End	504
GI	2801072	Score	235

Exons	220..311, 430..504		
GI Descrip.	3281853/emb\|CAA19748\| 5.0e-34 (AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92485	Strand	-
Start	1	End	2089
Name	OJ000150_30.0323.C58.o1.gs	Method	GENSCAN
Start	220	End	2089
GI	none	Score	.62
Exons	220..311, 431..517, 739..897, 1004..1102, 1218..1345, 1756..1847, 2027..2089		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92485	Strand	-
Start	1	End	2089
Name	OJ000150_30.0323.C58.o2.gp	Method	AAT/GAP
Start	834	End	1902
GI	29663_1.R1084	Score	793
Exons	834..897, 1004..1102, 1218..1345, 1756..1902		
GI Descrip.	'3281853/emb\|CAA19748\| 3.0e-21 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o1.tc	Method	TBLASTX:Cress
Start	218	End	856
GI	none	Score	91
Exons	218..310, 220..312, 220..318, 224..319, 427..465, 429..521, 743..856, 744..836		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o1.ts	Method	TBLASTX:Soybean
Start	218	End	1348
GI	none	Score	88
Exons	218..310, 219..293, 220..318, 224..313, 421..465, 429..518, 740..898, 744..866, 775..876, 1005..1103, 1006..1122, 1213..1347, 1217..1348, 1218..1340		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o1.tm	Method	TBLASTX:Maize
Start	218	End	1350
GI	none	Score	150
Exons	218..313, 220..318, 427..465, 429..518, 743..898, 744..866, 1005..1103, 1006..1107, 1213..1326, 1213..1350, 1218..1346		

Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o1.tw	Method	TBLASTX:Wheat
Start	755	End	1347
GI	none	Score	83

Exons	755..898, 756..857, 761..898, 1005..1103, 1006..1140, 1213..1347		
Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o2.tc	Method	TBLASTX:Cress
Start	1213	End	1348
GI	none	Score	69
Exons	1213..1341, 1213..1347, 1217..1348		
Seq. No.	44007	Seq. ID	OJ000150_30.0323.C58
Gene No.	92486	Strand	-
Start	8504	End	8661
Name	OJ000150_30.0323.C58.o3.gp	Method	AAT/GAP
Start	8504	End	8661
GI	427595	Score	282
Exons	8504..8661		
Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.gp	Method	AAT/GAP
Start	224	End	562
GI	427595	Score	670
Exons	224..562		
Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.gs	Method	GENSCAN
Start	630	End	1226
GI	none	Score	.69
Exons	630..1226		
Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.tm	Method	TBLASTX:Maize
Start	641	End	1230
GI	none	Score	78
Exons	641..733, 651..764, 652..762, 765..1106, 777..842, 799..1107, 1101..1229, 1102..1230		
Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.np	Method	AAT/NAP
Start	792	End	1330
GI	7258384	Score	255
Exons	792..1330		
GI Descrip.	(AL138650) putative protein [Arabidopsis thaliana]		
Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.tc	Method	TBLASTX:Cress
Start	813	End	1205

GI	none	Score	61
Exons	813..1040, 1012..1140, 1041..1205		

Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.ts	Method	TBLASTX:Soybean
Start	840	End	1205
GI	none	Score	86
Exons	840..1205, 841..963, 1015..1146		

Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1241
GI	none	Score	269
Exons	861..1241, 883..1149		

Seq. No.	44008	Seq. ID	OJ000150_30.0323.C59
Gene No.	92487	Strand	-
Start	630	End	1330
Name	OJ000150_30.0323.C59.o2.gp	Method	AAT/GAP
Start	1043	End	1330
GI	uC-osflcyp154g03b1	Score	354
Exons	1043..1229, 1292..1330		
GI Descrip.	'5262765/emb\|CAB45913.1\| 2.0e-36 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92488	Strand	+
Start	248	End	364
Name	OJ000150_30.0323.C60.o1.gs	Method	GENSCAN
Start	248	End	364
GI	none	Score	.4
Exons	248..364		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92489	Strand	+
Start	1343	End	4152
Name	OJ000150_30.0323.C60.o1.np	Method	AAT/NAP
Start	1343	End	4152
GI	7340860	Score	69
Exons	1343..1433, 2623..2742, 4079..4152		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92490	Strand	+
Start	4570	End	5738
Name	OJ000150_30.0323.C60.o3.gs	Method	GENSCAN
Start	4570	End	5738
GI	none	Score	.9
Exons	4570..4773, 5610..5738		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92491	Strand	-

Start	1	End	119
Name	OJ000150_30.0323.C60.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	uC-osflcyp154g03b1	Score	217
Exons	1..119		
GI Descrip.	'5262765/emb\|CAB45913.1\| 2.0e-36 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92492	Strand	-
Start	2079	End	2942
Name	OJ000150_30.0323.C60.o2.gs	Method	GENSCAN
Start	2079	End	2942
GI	none	Score	.74
Exons	2079..2579, 2928..2942		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92493	Strand	-
Start	6448	End	8915
Name	OJ000150_30.0323.C60.o1.tm	Method	TBLASTX:Maize
Start	41	End	450
GI	none	Score	40
Exons	41..82, 44..124, 63..131, 173..280, 174..278, 394..450		

Seq. No.	44009	Seq. ID	OJ000150_30.0323.C60
Gene No.	92493	Strand	-
Start	6448	End	8915
Name	OJ000150_30.0323.C60.o4.gs	Method	GENSCAN
Start	6448	End	8915
GI	none	Score	.75
Exons	6448..6744, 8862..8915		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92494	Strand	+
Start	168	End	2189
Name	OJ000150_30.0323.C62.o1.np	Method	AAT/NAP
Start	168	End	2183
GI	7486380	Score	1847
Exons	168..2183		
GI Descrip.	hypothetical protein F3L17.110 - Arabidopsis thaliana gi\|5262765\|emb\|CAB45913.1\| (AL080283) putative protein [Arabidopsis thaliana] gi\|7270057\|emb\|CAB79872.1\| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92494	Strand	+
Start	168	End	2189
Name	OJ000150_30.0323.C62.o1.gs	Method	GENSCAN
Start	198	End	2189
GI	none	Score	.99
Exons	198..2189		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92494	Strand	+
Start	168	End	2189
Name	OJ000150_30.0323.C62.o1.gp	Method	AAT/GAP
Start	1523	End	1992

GI	1944273	Score	872
Exons	1523..1992		
GI Descrip.	5262765/emb\|CAB45913.1\| 2.0e-36 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92495	Strand	+
Start	2163	End	2621
Name	OJ000150_30.0323.C62.o2.gp	Method	AAT/GAP
Start	2163	End	2621
GI	3768732	Score	790
Exons	2163..2621		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o1.tc	Method	TBLASTX:Cress
Start	1022	End	1364
GI	none	Score	77
Exons	1022..1081, 1023..1085, 1107..1364, 1107..1364		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o2.tm	Method	TBLASTX:Maize
Start	1097	End	1466
GI	none	Score	46
Exons	1097..1135, 1141..1314, 1149..1466, 1151..1285, 1170..1463		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o1.ts	Method	TBLASTX:Soybean
Start	1107	End	1649
GI	none	Score	652
Exons	1107..1649, 1107..1373, 1382..1504		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o2.tc	Method	TBLASTX:Cress
Start	1364	End	1727
GI	none	Score	224
Exons	1364..1453, 1365..1652, 1575..1652, 1632..1727		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o1.tm	Method	TBLASTX:Maize
Start	1466	End	2017
GI	none	Score	772
Exons	1466..1681, 1485..2015, 1490..2017, 1491..2015, 1684..2016		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o1.tw	Method	TBLASTX:Wheat

Start	1551	End	1931
GI	none	Score	141
Exons	1551..1799, 1575..1709, 1803..1931		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o2.ts	Method	TBLASTX:Soybean
Start	1769	End	2024
GI	none	Score	142
Exons	1769..1891, 1782..1886, 1890..2024, 1892..2008		

Seq. No.	44010	Seq. ID	OJ000150_30.0323.C62
Gene No.	92496	Strand	-
Start	2813	End	3135
Name	OJ000150_30.0323.C62.o2.gs	Method	GENSCAN
Start	2813	End	3135
GI	none	Score	.6
Exons	2813..2889, 2934..3135		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92497	Strand	+
Start	193	End	1617
Name	OJ000150_30.0323.C63.o1.gp	Method	AAT/GAP
Start	193	End	1617
GI	1124_1.R1084	Score	2460
Exons	193..387, 411..1617		
GI Descrip.	'4160402/emb\|CAA10616\| 1.0e-104 (AJ132240) eukaryotic translation initiation factor 5 [Zea mays]'		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92498	Strand	+
Start	6962	End	7210
Name	OJ000150_30.0323.C63.o3.gp	Method	AAT/GAP
Start	6962	End	7210
GI	3761181	Score	414
Exons	6962..7210		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92499	Strand	+
Start	7903	End	8445
Name	OJ000150_30.0323.C63.o2.gs	Method	GENSCAN
Start	7903	End	8396
GI	none	Score	.69
Exons	7903..8396		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92499	Strand	+
Start	7903	End	8445
Name	OJ000150_30.0323.C63.o2.np	Method	AAT/NAP
Start	7903	End	8445
GI	5902444	Score	917
Exons	7903..8445		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92500	Strand	-
Start	490	End	3819
Name	OJ000150_30.0323.C63.o1.np	Method	AAT/NAP
Start	490	End	1845
GI	4160402	Score	1762
Exons	490..1845		
GI Descrip.	(AJ132240) eukaryotic translation initiation factor 5 [Zea mays]		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92500	Strand	-
Start	490	End	3819
Name	OJ000150_30.0323.C63.o2.gp	Method	AAT/GAP
Start	1711	End	3819
GI	29079_2.R1084	Score	1068
Exons	1711..2160, 3722..3819		
GI Descrip.	'2130023/pir\|\|S61413 9.0e-35 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]'		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o1.ts	Method	TBLASTX:Soybean
Start	257	End	2112
GI	none	Score	66
Exons	257..286, 345..395, 449..556, 493..621, 556..741, 568..690, 596..853, 746..835, 970..1116, 971..1108, 1050..1163, 1280..1381, 1333..1407, 1363..1407, 1363..1851, 1421..1846, 1767..1868, 2014..2112		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o1.tm	Method	TBLASTX:Maize
Start	374	End	2172
GI	none	Score	36
Exons	374..415, 497..922, 502..744, 511..957, 521..883, 802..954, 967..996, 1013..1108, 1019..1144, 1020..1133, 1032..1151, 1042..1188, 1134..1193, 1141..1263, 1145..1228, 1283..1381, 1320..1340, 1333..1428, 1363..1404, 1363..1851, 1387..1851, 1418..1852, 1418..1852, 1911..2003, 2014..2037, 2015..2038, 2026..2172, 2033..2062, 2038..2157, 2057..2161		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o2.tc	Method	TBLASTX:Cress
Start	488	End	1182
GI	none	Score	94
Exons	488..628, 496..627, 556..696, 611..700, 746..772, 748..846, 782..922, 802..936, 1022..1108, 1036..1182, 1045..1116, 1050..1178		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775

Name	OJ000150_30.0323.C63.o1.tw	Method	TBLASTX:Wheat
Start	497	End	776
GI	none	Score	263
Exons	497..745, 502..744, 510..776, 518..775		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o1.tc	Method	TBLASTX:Cress
Start	1295	End	1663
GI	none	Score	197
Exons	1295..1378, 1333..1428, 1363..1659, 1393..1659, 1418..1663, 1421..1660		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o3.tc	Method	TBLASTX:Cress
Start	1717	End	1853
GI	none	Score	115
Exons	1717..1848, 1726..1845, 1733..1849, 1761..1853		

Seq. No.	44011	Seq. ID	OJ000150_30.0323.C63
Gene No.	92501	Strand	-
Start	7468	End	7775
Name	OJ000150_30.0323.C63.o4.gp	Method	AAT/GAP
Start	7468	End	7775
GI	5816559	Score	470
Exons	7468..7775		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	44012	Seq. ID	OJ000150_30.0323.C68
Gene No.	92502	Strand	-
Start	222	End	758
Name	OJ000150_30.0323.C68.o2.tm	Method	TBLASTX:Maize
Start	216	End	446
GI	none	Score	197
Exons	216..248, 249..446		

Seq. No.	44012	Seq. ID	OJ000150_30.0323.C68
Gene No.	92502	Strand	-
Start	222	End	758
Name	OJ000150_30.0323.C68.o1.gs	Method	GENSCAN
Start	222	End	617
GI	none	Score	.78
Exons	222..617		

Seq. No.	44012	Seq. ID	OJ000150_30.0323.C68
Gene No.	92502	Strand	-
Start	222	End	758
Name	OJ000150_30.0323.C68.o1.np	Method	AAT/NAP
Start	225	End	758
GI	4680179	Score	905
Exons	225..758		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44012	Seq. ID	OJ000150_30.0323.C68
Gene No.	92502	Strand	-
Start	222	End	758
Name	OJ000150_30.0323.C68.o1.tw	Method	TBLASTX:Wheat
Start	235	End	692
GI	none	Score	35
Exons	235..288, 270..692, 291..452, 394..510, 495..575, 550..672		

Seq. No.	44012	Seq. ID	OJ000150_30.0323.C68
Gene No.	92502	Strand	-
Start	222	End	758
Name	OJ000150_30.0323.C68.o1.tm	Method	TBLASTX:Maize
Start	450	End	749
GI	none	Score	167
Exons	450..749, 463..744		

Seq. No.	44013	Seq. ID	OJ000350_24.0314.C7
Gene No.	92503	Strand	-
Start	96	End	590
Name	OJ000350_24.0314.C7.o1.gp	Method	AAT/GAP
Start	96	End	590
GI	12973_1.R1084	Score	803
Exons	96..590		
GI Descrip.	'2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44013	Seq. ID	OJ000350_24.0314.C7
Gene No.	92504	Strand	-
Start	526	End	675
Name	OJ000350_24.0314.C7.o1.gs	Method	GENSCAN
Start	526	End	675
GI	none	Score	.94
Exons	526..675		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.gs	Method	GENSCAN
Start	561	End	6121
GI	none	Score	.91
Exons	561..690, 772..1326, 1365..1393, 1619..6121		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.gp	Method	AAT/GAP
Start	836	End	1290
GI	95437_1.R1084	Score	762
Exons	836..1290		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121

Name	OJ000350_24.0314.C9.o1.np	Method	AAT/NAP
Start	1619	End	6118
GI	4680179	Score	5460
Exons	1619..2683, 2717..6118		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o9.tw	Method	TBLASTX:Wheat
Start	1844	End	2043
GI	none	Score	211
Exons	1844..2041, 1846..2043		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o7.tw	Method	TBLASTX:Wheat
Start	2070	End	2428
GI	none	Score	61
Exons	2070..2246, 2077..2271, 2078..2428		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o6.tm	Method	TBLASTX:Maize
Start	2078	End	2383
GI	none	Score	232
Exons	2078..2383, 2092..2208		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o7.tm	Method	TBLASTX:Maize
Start	2708	End	3063
GI	none	Score	189
Exons	2708..3061, 2800..2877, 2971..3063		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o8.tw	Method	TBLASTX:Wheat
Start	2744	End	3166
GI	none	Score	166
Exons	2744..2953, 2800..2952, 2998..3111, 2999..3166		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o4.tw	Method	TBLASTX:Wheat
Start	3277	End	3763
GI	none	Score	52
Exons	3277..3720, 3281..3331, 3386..3763		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121

Name	OJ000350_24.0314.C9.o5.tm	Method	TBLASTX:Maize
Start	3292	End	3582
GI	none	Score	276
Exons	3292..3582, 3293..3580		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o2.tc	Method	TBLASTX:Cress
Start	3410	End	3727
GI	none	Score	180
Exons	3410..3727		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o3.tm	Method	TBLASTX:Maize
Start	3650	End	4150
GI	none	Score	167
Exons	3650..3829, 3658..3804, 3836..4150, 3976..4029, 4057..4107		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	3704	End	4099
GI	none	Score	57
Exons	3704..3736, 3706..3735, 3740..4099, 3742..3780, 3808..4098		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o5.tw	Method	TBLASTX:Wheat
Start	3812	End	4114
GI	none	Score	382
Exons	3812..4114, 3814..4098		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o3.tw	Method	TBLASTX:Wheat
Start	4115	End	4537
GI	none	Score	598
Exons	4115..4537, 4147..4536		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o3.ts	Method	TBLASTX:Soybean
Start	4121	End	4366
GI	none	Score	207
Exons	4121..4366, 4138..4365		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o2.tm	Method	TBLASTX:Maize

Start	4186	End	4549
GI	none	Score	482
Exons	4186..4536, 4187..4540, 4187..4549		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o2.tw	Method	TBLASTX:Wheat
Start	4540	End	5107
GI	none	Score	646
Exons	4540..5103, 4571..5107, 4652..5107		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	4814	End	5131
GI	none	Score	94
Exons	4814..4987, 4988..5131, 4990..5130		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o2.ts	Method	TBLASTX:Soybean
Start	4895	End	5155
GI	none	Score	297
Exons	4895..5155, 4900..5154		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o4.tm	Method	TBLASTX:Maize
Start	4954	End	5245
GI	none	Score	375
Exons	4954..5241, 4955..5245		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	5114	End	5740
GI	none	Score	703
Exons	5114..5740, 5170..5628, 5615..5737		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	5294	End	5893
GI	none	Score	231
Exons	5294..5455, 5302..5448, 5452..5877, 5453..5893		

Seq. No.	44014	Seq. ID	OJ000350_24.0314.C9
Gene No.	92505	Strand	+
Start	561	End	6121
Name	OJ000350_24.0314.C9.o6.tw	Method	TBLASTX:Wheat
Start	5740	End	6073

GI	none	Score	326
Exons	5740..6009, 5741..6073, 5744..6052		

Seq. No.	44015	Seq. ID	OJ000350_24.0314.C12
Gene No.	92506	Strand	+
Start	1	End	738
Name	OJ000350_24.0314.C12.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6815109	Score	84
Exons	1..28, 398..738		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44015	Seq. ID	OJ000350_24.0314.C12
Gene No.	92506	Strand	+
Start	1	End	738
Name	OJ000350_24.0314.C12.o1.gs	Method	GENSCAN
Start	30	End	83
GI	none	Score	.56
Exons	30..83		

Seq. No.	44016	Seq. ID	OJ000350_24.0314.C13
Gene No.	92507	Strand	+
Start	1095	End	1260
Name	OJ000350_24.0314.C13.o1.gp	Method	AAT/GAP
Start	1095	End	1260
GI	7406_1.R1084	Score	227
Exons	1095..1260		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	44016	Seq. ID	OJ000350_24.0314.C13
Gene No.	92508	Strand	+
Start	1699	End	4513
Name	OJ000350_24.0314.C13.o1.np	Method	AAT/NAP
Start	1699	End	4513
GI	7228442	Score	4557
Exons	1699..4355, 4419..4513		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44016	Seq. ID	OJ000350_24.0314.C13
Gene No.	92508	Strand	+
Start	1699	End	4513
Name	OJ000350_24.0314.C13.o1.tm	Method	TBLASTX:Maize
Start	2713	End	3309
GI	none	Score	93
Exons	2713..2841, 2721..2819, 2875..3174, 2892..3113, 3238..3309		

Seq. No.	44016	Seq. ID	OJ000350_24.0314.C13
Gene No.	92508	Strand	+
Start	1699	End	4513
Name	OJ000350_24.0314.C13.o2.gp	Method	AAT/GAP
Start	2756	End	3187
GI	5701669	Score	841
Exons	2756..3187		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	44016	Seq. ID	OJ000350_24.0314.C13
Gene No.	92508	Strand	+
Start	1699	End	4513
Name	OJ000350_24.0314.C13.o1.tw	Method	TBLASTX:Wheat
Start	3007	End	3387
GI	none	Score	199
Exons	3007..3201, 3016..3213, 3207..3326, 3211..3387, 3211..3357		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92509	Strand	+
Start	1	End	4591
Name	OJ000350_24.0314.C14.o1.np	Method	AAT/NAP
Start	1	End	3256
GI	5441880	Score	2446
Exons	1..118, 663..813, 919..1252, 1561..1859, 1928..2186, 2431..2528, 2775..2906, 3022..3256		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92509	Strand	+
Start	1	End	4591
Name	OJ000350_24.0314.C14.o1.gs	Method	GENSCAN
Start	100	End	4591
GI	none	Score	.59
Exons	100..238, 663..813, 872..994, 1064..1469, 1561..1812, 1980..2186, 2279..2461, 2619..2674, 2775..2906, 2970..3017, 3022..3139, 3501..3701, 4469..4591		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92509	Strand	+
Start	1	End	4591
Name	OJ000350_24.0314.C14.o2.np	Method	AAT/NAP
Start	1162	End	3761
GI	7228438	Score	2225
Exons	1162..1469, 1561..1859, 1928..2186, 2279..2461, 2619..2907, 3409..3761		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92509	Strand	+
Start	1	End	4591
Name	OJ000350_24.0314.C14.o1.gp	Method	AAT/GAP
Start	1687	End	2178
GI	LIB3475-007-P1-K1-G8	Score	802
Exons	1687..1859, 1928..2178		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14

Gene No.	92510	Strand	+
Start	7696	End	8163
Name	OJ000350_24.0314.C14.o2.gs	Method	GENSCAN
Start	7696	End	8163
GI	none	Score	.77
Exons	7696..8163		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92511	Strand	+
Start	14747	End	15224
Name	OJ000350_24.0314.C14.o3.gp	Method	AAT/GAP
Start	14747	End	15224
GI	none	Score	872
Exons	14747..15224		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92512	Strand	+
Start	18648	End	20027
Name	OJ000350_24.0314.C14.o3.np	Method	AAT/NAP
Start	18648	End	20027
GI	7446373	Score	1860
Exons	18648..20027		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92513	Strand	+
Start	21830	End	22295
Name	OJ000350_24.0314.C14.o4.gp	Method	AAT/GAP
Start	21830	End	22295
GI	none	Score	840
Exons	21830..22295		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92514	Strand	+
Start	46653	End	47496
Name	OJ000350_24.0314.C14.o6.np	Method	AAT/NAP
Start	46653	End	47496
GI	2651309	Score	488
Exons	46653..46755, 46798..46967, 47059..47323, 47375..47496		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92515	Strand	+
Start	50842	End	51016
Name	OJ000350_24.0314.C14.o6.gp	Method	AAT/GAP
Start	50842	End	51016
GI	15870_2.R1084	Score	271
Exons	50842..51016		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92516	Strand	-
Start	4140	End	4256
Name	OJ000350_24.0314.C14.o2.gp	Method	AAT/GAP

Start	4140	End	4256
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	4140..4256		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92517	Strand	-
Start	14280	End	14852
Name	OJ000350_24.0314.C14.o4.gs	Method	GENSCAN
Start	14280	End	14852
GI	none	Score	.99
Exons	14280..14852		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92518	Strand	-
Start	24561	End	26851
Name	OJ000350_24.0314.C14.o6.gs	Method	GENSCAN
Start	24561	End	26851
GI	none	Score	.85
Exons	24561..25390, 25887..26031, 26109..26233, 26728..26851		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92519	Strand	-
Start	38612	End	39315
Name	OJ000350_24.0314.C14.o5.np	Method	AAT/NAP
Start	38612	End	39315
GI	6063557	Score	396
Exons	38612..38881, 39130..39315		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92519	Strand	-
Start	38612	End	39315
Name	OJ000350_24.0314.C14.o5.gp	Method	AAT/GAP
Start	38695	End	38859
GI	uC-osflcyp169h02b1	Score	211
Exons	38695..38859		
GI Descrip.	'6063530/dbj\|AP000615.1\|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o6.tm	Method	TBLASTX:Maize
Start	14550	End	14727
GI	none	Score	218
Exons	14550..14705, 14552..14704, 14653..14727, 14654..14707		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o8.tm	Method	TBLASTX:Maize
Start	18314	End	18661
GI	none	Score	162
Exons	18314..18568, 18321..18527, 18341..18568, 18604..18660, 18611..18661		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o1.tc	Method	TBLASTX:Cress
Start	18662	End	19954
GI	none	Score	366
Exons	18662..18946, 18663..18953, 18669..18950, 18929..19039, 18960..19049, 19051..19164, 19055..19351, 19057..19164, 19094..19444, 19098..19541, 19584..19703, 19586..19645, 19811..19954, 19815..19952		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o1.ts	Method	TBLASTX:Soybean
Start	18663	End	47347
GI	none	Score	352
Exons	18663..18956, 18683..18955, 18929..19039, 18960..19049, 19094..19474, 19098..19469, 19587..19670, 19770..19946, 19793..19942, 47243..47347		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o1.tm	Method	TBLASTX:Maize
Start	18663	End	19979
GI	none	Score	369
Exons	18663..18956, 18683..18949, 18929..19039, 18951..19418, 18954..19049, 18961..19359, 19097..19498, 19098..19454, 19533..19979, 19589..19648, 19756..19851, 19778..19960, 19830..19964		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o2.tw	Method	TBLASTX:Wheat
Start	18668	End	18869
GI	none	Score	203
Exons	18668..18862, 18672..18869		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o1.tw	Method	TBLASTX:Wheat
Start	18873	End	19265
GI	none	Score	155
Exons	18873..19049, 18908..19027, 18913..19113, 19158..19265, 19160..19261		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o4.tm	Method	TBLASTX:Maize
Start	21725	End	21992
GI	none	Score	289
Exons	21725..21859, 21726..21974, 21739..21903, 21756..21992		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o5.tm	Method	TBLASTX:Maize
Start	22629	End	34867
GI	none	Score	100
Exons	22629..22802, 22636..22806, 22642..22716, 22703..22807, 22813..22935, 22813..22938, 34742..34867		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o2.tm	Method	TBLASTX:Maize
Start	27613	End	28004
GI	none	Score	209
Exons	27613..27936, 27617..27961, 27618..27962, 27966..28004		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o7.tm	Method	TBLASTX:Maize
Start	28242	End	28707
GI	none	Score	107
Exons	28242..28355, 28242..28355, 28243..28356, 28244..28378, 28447..28527, 28448..28528, 28503..28565, 28588..28635, 28589..28636, 28681..28707, 28682..28705		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o9.tm	Method	TBLASTX:Maize
Start	44562	End	44795
GI	none	Score	41
Exons	44562..44594, 44583..44795, 44619..44792		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o2.tc	Method	TBLASTX:Cress
Start	46665	End	47280
GI	none	Score	66
Exons	46665..46712, 46796..46963, 46797..46967, 47058..47279, 47059..47280		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o2.ts	Method	TBLASTX:Soybean
Start	46665	End	46964
GI	none	Score	69
Exons	46665..46712, 46788..46964, 46796..46963		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o3.tm	Method	TBLASTX:Maize

Start	46826	End	47151
GI	none	Score	211
Exons	46826..46963, 46827..46964, 47053..47151, 47056..47151		

Seq. No.	44017	Seq. ID	OJ000350_24.0314.C14
Gene No.	92520	Strand	-
Start	47736	End	50716
Name	OJ000350_24.0314.C14.o9.gs	Method	GENSCAN
Start	47736	End	50716
GI	none	Score	.42
Exons	47736..47793, 48159..48241, 50495..50716		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92521	Strand	+
Start	9003	End	18978
Name	OJ000350_24.0314.C15.o3.gs	Method	GENSCAN
Start	9003	End	15891
GI	none	Score	.83
Exons	9003..9126, 9454..9581, 9637..12021, 12085..14676, 15148..15891		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92521	Strand	+
Start	9003	End	18978
Name	OJ000350_24.0314.C15.o1.np	Method	AAT/NAP
Start	9655	End	18975
GI	7228457	Score	9136
Exons	9655..10021, 10086..12021, 12085..12919, 13042..14193, 14260..14692, 17858..18975		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92521	Strand	+
Start	9003	End	18978
Name	OJ000350_24.0314.C15.o1.gp	Method	AAT/GAP
Start	16771	End	17155
GI	uC-osf1cyp033a04b1	Score	612
Exons	16771..17155		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92521	Strand	+
Start	9003	End	18978
Name	OJ000350_24.0314.C15.o5.gs	Method	GENSCAN
Start	16876	End	18978
GI	none	Score	.81
Exons	16876..16941, 17902..18978		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92522	Strand	+
Start	23147	End	28973
Name	OJ000350_24.0314.C15.o5.np	Method	AAT/NAP
Start	23147	End	25532
GI	7339719	Score	100
Exons	23147..23275, 25235..25532		

GI Descrip. (AP001539) hypothetical protein [Oryza sativa]

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92522	Strand	+
Start	23147	End	28973
Name	OJ000350_24.0314.C15.o7.gs	Method	GENSCAN
Start	23959	End	28973
GI	none	Score	.48
Exons	23959..24109, 24432..24523, 26272..26376, 27124..27329, 28027..28149, 28474..28615, 28818..28973		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92522	Strand	+
Start	23147	End	28973
Name	OJ000350_24.0314.C15.o6.np	Method	AAT/NAP
Start	24660	End	26382
GI	5922619	Score	123
Exons	24660..24683, 26284..26382		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92522	Strand	+
Start	23147	End	28973
Name	OJ000350_24.0314.C15.o2.gp	Method	AAT/GAP
Start	26179	End	26605
GI	LIB3479-006-Q6-K1-B11	Score	669
Exons	26179..26605		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92523	Strand	+
Start	29299	End	29810
Name	OJ000350_24.0314.C15.o8.gs	Method	GENSCAN
Start	29299	End	29810
GI	none	Score	.73
Exons	29299..29561, 29645..29810		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92524	Strand	+
Start	42592	End	42885
Name	OJ000350_24.0314.C15.o6.gp	Method	AAT/GAP
Start	42592	End	42885
GI	none	Score	572
Exons	42592..42885		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92525	Strand	+
Start	56405	End	59324
Name	OJ000350_24.0314.C15.o12.np	Method	AAT/NAP
Start	56405	End	58227
GI	6016696	Score	401
Exons	56405..56530, 57725..58227		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92525	Strand	+
Start	56405	End	59324
Name	OJ000350_24.0314.C15.o9.gp	Method	AAT/GAP
Start	56952	End	57555
GI	2310531	Score	855
Exons	56952..57262, 57406..57555		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92525	Strand	+
Start	56405	End	59324
Name	OJ000350_24.0314.C15.o15.gs	Method	GENSCAN
Start	57456	End	59033
GI	none	Score	.77
Exons	57456..59033		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92525	Strand	+
Start	56405	End	59324
Name	OJ000350_24.0314.C15.o10.gp	Method	AAT/GAP
Start	58752	End	59324
GI	5455333	Score	1040
Exons	58752..59324		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92526	Strand	-
Start	16202	End	16333
Name	OJ000350_24.0314.C15.o4.gs	Method	GENSCAN
Start	16202	End	16333
GI	none	Score	.47
Exons	16202..16333		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92527	Strand	-
Start	19610	End	24556
Name	OJ000350_24.0314.C15.o6.gs	Method	GENSCAN
Start	19610	End	22844
GI	none	Score	.77
Exons	19610..20803, 20833..21490, 21583..22844		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92527	Strand	-
Start	19610	End	24556
Name	OJ000350_24.0314.C15.o2.np	Method	AAT/NAP
Start	19613	End	22844
GI	6907089	Score	4119
Exons	19613..21490, 21583..22844		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92527	Strand	-
Start	19610	End	24556
Name	OJ000350_24.0314.C15.o4.np	Method	AAT/NAP
Start	22058	End	24556
GI	5922623	Score	266

Exons	22058..22094, 23678..23762, 23930..24049, 24449..24556		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92527	Strand	-
Start	19610	End	24556
Name	OJ000350_24.0314.C15.o3.np	Method	AAT/NAP
Start	23506	End	23636
GI	7523512	Score	100
Exons	23506..23636		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92528	Strand	-
Start	26522	End	26599
Name	OJ000350_24.0314.C15.o7.np	Method	AAT/NAP
Start	26522	End	26599
GI	6630699	Score	84
Exons	26522..26599		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92529	Strand	-
Start	31315	End	33788
Name	OJ000350_24.0314.C15.o9.gs	Method	GENSCAN
Start	31315	End	33786
GI	none	Score	.89
Exons	31315..31437, 31872..32021, 32099..32294, 32633..33786		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92529	Strand	-
Start	31315	End	33788
Name	OJ000350_24.0314.C15.o3.gp	Method	AAT/GAP
Start	31442	End	31936
GI	12973_1.R1084	Score	799
Exons	31442..31936		
GI Descrip.	'2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92529	Strand	-
Start	31315	End	33788
Name	OJ000350_24.0314.C15.o8.np	Method	AAT/NAP
Start	31872	End	33783
GI	2347195	Score	900
Exons	31872..32294, 32633..33463, 33512..33783		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92529	Strand	-
Start	31315	End	33788
Name	OJ000350_24.0314.C15.o4.gp	Method	AAT/GAP
Start	32130	End	32878

GI	2427409	Score	707
Exons	32130..32294, 32633..32878		
GI Descrip.	2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92529	Strand	-
Start	31315	End	33788
Name	OJ000350_24.0314.C15.o5.gp	Method	AAT/GAP
Start	33059	End	33788
GI	48805_1.R1084	Score	1378
Exons	33059..33788		
GI Descrip.	'2347195 2.0e-27 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92530	Strand	-
Start	37684	End	46842
Name	OJ000350_24.0314.C15.o11.gs	Method	GENSCAN
Start	37684	End	40845
GI	none	Score	.81
Exons	37684..38805, 40417..40845		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92530	Strand	-
Start	37684	End	46842
Name	OJ000350_24.0314.C15.o9.np	Method	AAT/NAP
Start	38083	End	43658
GI	6580153	Score	339
Exons	38083..38805, 40417..40604, 43436..43658		
GI Descrip.	(AL132968) putative protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92530	Strand	-
Start	37684	End	46842
Name	OJ000350_24.0314.C15.o10.np	Method	AAT/NAP
Start	40846	End	46812
GI	7487155	Score	535
Exons	40846..40909, 43214..43316, 43371..43563, 43679..43909, 44071..44156, 44270..44599, 44813..44926, 45782..45880, 46064..46142, 46694..46812		
GI Descrip.	hypothetical protein T19C21.10 - Arabidopsis thaliana gi\|3395431\|gb\|AAC28763.1\| (AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92530	Strand	-
Start	37684	End	46842
Name	OJ000350_24.0314.C15.o12.gs	Method	GENSCAN
Start	42798	End	46842
GI	none	Score	.82
Exons	42798..43042, 43310..43605, 43682..43909, 44071..44156, 44813..44926, 45782..45880, 46064..46142, 46694..46842		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310

Name	OJ000350_24.0314.C15.o7.tw	Method	TBLASTX:Wheat
Start	10312	End	10704
GI	none	Score	58
Exons	10312..10359, 10366..10464, 10383..10463, 10431..10670, 10447..10704		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o13.tm	Method	TBLASTX:Maize
Start	10317	End	10602
GI	none	Score	193
Exons	10317..10601, 10354..10602		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o3.tw	Method	TBLASTX:Wheat
Start	11442	End	11928
GI	none	Score	414
Exons	11442..11615, 11443..11928, 11637..11924		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o1.tw	Method	TBLASTX:Wheat
Start	12092	End	12555
GI	none	Score	87
Exons	12092..12268, 12093..12554, 12094..12555		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o5.ts	Method	TBLASTX:Soybean
Start	12133	End	12498
GI	none	Score	117
Exons	12133..12357, 12364..12498		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o3.tm	Method	TBLASTX:Maize
Start	12223	End	12579
GI	none	Score	392
Exons	12223..12579, 12258..12569, 12310..12579		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o8.tm	Method	TBLASTX:Maize
Start	12606	End	12990
GI	none	Score	362
Exons	12606..12971, 12607..12990		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310

Name	OJ000350_24.0314.C15.o2.tw	Method	TBLASTX:Wheat
Start	12664	End	13088
GI	none	Score	487
Exons	12664..13083, 12669..13088		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o2.ts	Method	TBLASTX:Soybean
Start	12742	End	13113
GI	none	Score	270
Exons	12742..13113, 12759..12902		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o6.tw	Method	TBLASTX:Wheat
Start	13714	End	58128
GI	none	Score	234
Exons	13714..13962, 13738..13962, 13803..13976, 14032..14172, 14032..14169, 14034..14171, 57979..58128		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o4.ts	Method	TBLASTX:Soybean
Start	13861	End	14427
GI	5666795	Score	68
Exons	13861..13959, 14035..14172, 14227..14427		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o9.tw	Method	TBLASTX:Wheat
Start	14175	End	14487
GI	none	Score	190
Exons	14175..14486, 14227..14487		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o7.tm	Method	TBLASTX:Maize
Start	17833	End	18168
GI	none	Score	363
Exons	17833..18168, 17862..18155		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o5.tw	Method	TBLASTX:Wheat
Start	17982	End	18363
GI	none	Score	375
Exons	17982..18038, 17983..18363, 18084..18332		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-

Start	48330	End	58310
Name	OJ000350_24.0314.C15.o8.tw	Method	TBLASTX:Wheat
Start	18364	End	18966
GI	none	Score	265
Exons	18364..18648, 18369..18647, 18840..18962, 18841..18966		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o12.tm	Method	TBLASTX:Maize
Start	18835	End	19005
GI	none	Score	197
Exons	18835..19005, 18840..19004		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o10.tm	Method	TBLASTX:Maize
Start	32096	End	32302
GI	none	Score	211
Exons	32096..32302, 32097..32297		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o11.tm	Method	TBLASTX:Maize
Start	32632	End	32863
GI	none	Score	250
Exons	32632..32838, 32632..32859, 32633..32863		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o3.tc	Method	TBLASTX:Cress
Start	33322	End	33787
GI	none	Score	86
Exons	33322..33486, 33574..33762, 33575..33787		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o3.ts	Method	TBLASTX:Soybean
Start	33322	End	33762
GI	none	Score	163
Exons	33322..33492, 33568..33762		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o2.tm	Method	TBLASTX:Maize
Start	33466	End	33794
GI	none	Score	225
Exons	33466..33636, 33466..33765, 33572..33787, 33663..33794		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310

Name	OJ000350_24.0314.C15.o6.tm	Method	TBLASTX:Maize
Start	42728	End	43295
GI	none	Score	191
Exons	42728..42751, 42791..42997, 42797..42982, 42798..43019, 42799..43011, 43013..43075, 43102..43188, 43171..43290, 43206..43295		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o9.tm	Method	TBLASTX:Maize
Start	43350	End	44929
GI	none	Score	76
Exons	43350..43460, 43399..43449, 43455..43505, 43458..43511, 43510..43611, 43533..43607, 43747..43773, 43801..43908, 43829..43906, 44061..44153, 44070..44156, 44071..44157, 44071..44157, 44251..44340, 44257..44340, 44258..44353, 44265..44342, 44445..44516, 44453..44530, 44531..44605, 44532..44600, 44813..44929, 44814..44915, 44819..44926		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o13.gs	Method	GENSCAN
Start	48330	End	51240
GI	none	Score	.59
Exons	48330..48491, 48553..48691, 49279..49425, 49572..49983, 50062..50265, 50408..50526, 50563..50759, 50800..51240		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o11.np	Method	AAT/NAP
Start	49299	End	55191
GI	6598346	Score	765
Exons	49299..49417, 49510..50011, 50051..50266, 50622..50716, 54822..54972, 55033..55191		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o1.tm	Method	TBLASTX:Maize
Start	49320	End	55123
GI	none	Score	76
Exons	49320..49427, 49448..49993, 49815..49970, 50063..50266, 50070..50267, 50628..50717, 50794..50946, 50975..51106, 51043..51105, 54620..54727, 54817..54933, 54961..55101, 54974..55123		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o1.ts	Method	TBLASTX:Soybean
Start	49326	End	55117
GI	none	Score	106
Exons	49326..49427, 49517..49993, 49518..49748, 49815..49991,		

50063..50266, 50625..50672, 50954..51106, 51043..51105,
54850..54933, 54955..55101, 54971..55117

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o1.tc	Method	TBLASTX:Cress
Start	49338	End	55123
GI	none	Score	108
Exons	49338..49427, 49517..49723, 49766..49993, 50063..50266, 50070..50267, 50628..50717, 50827..50943, 51043..51105, 54620..54727, 54799..54933, 54955..55101, 54965..55123		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o7.gp	Method	AAT/GAP
Start	50138	End	50716
GI	2280832	Score	511
Exons	50138..50265, 50567..50716		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o14.gs	Method	GENSCAN
Start	54107	End	55218
GI	none	Score	.97
Exons	54107..54129, 54556..54708, 54822..55218		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92531	Strand	-
Start	48330	End	58310
Name	OJ000350_24.0314.C15.o5.tm	Method	TBLASTX:Maize
Start	57870	End	58310
GI	none	Score	248
Exons	57870..58073, 57901..58047, 57903..58073, 58009..58167, 58058..58126, 58059..58310, 58065..58181		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92532	Strand	
Start	58233	End	58784
Name	OJ000350_24.0314.C15.o2.tc	Method	TBLASTX:Cress
Start	58233	End	58532
GI	none	Score	59
Exons	58233..58307, 58346..58531, 58347..58532		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92532	Strand	
Start	58233	End	58784
Name	OJ000350_24.0314.C15.o4.tw	Method	TBLASTX:Wheat
Start	58338	End	58679
GI	none	Score	376
Exons	58338..58679, 58343..58666		

Seq. No.	44018	Seq. ID	OJ000350_24.0314.C15
Gene No.	92532	Strand	
Start	58233	End	58784

Name	OJ000350_24.0314.C15.o4.tm	Method	TBLASTX:Maize
Start	58523	End	58784
GI	none	Score	380
Exons	58523..58768, 58524..58784		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92533	Strand	+
Start	1194	End	1777
Name	OJ000350_24.0314.C16.o1.gp	Method	AAT/GAP
Start	1194	End	1777
GI	1631815	Score	531
Exons	1194..1250, 1431..1506, 1607..1777		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92533	Strand	+
Start	1194	End	1777
Name	OJ000350_24.0314.C16.o1.gs	Method	GENSCAN
Start	1245	End	1734
GI	none	Score	.96
Exons	1245..1250, 1431..1506, 1607..1734		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92533	Strand	+
Start	1194	End	1777
Name	OJ000350_24.0314.C16.o1.np	Method	AAT/NAP
Start	1419	End	1709
GI	6525011	Score	84
Exons	1419..1506, 1607..1709		
GI Descrip.	(AF198627) copper chaperone homolog CCH [Glycine max]		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92534	Strand	-
Start	2997	End	3179
Name	OJ000350_24.0314.C16.o2.gs	Method	GENSCAN
Start	2997	End	3179
GI	none	Score	.86
Exons	2997..3179		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92535	Strand	-
Start	4205	End	4612
Name	OJ000350_24.0314.C16.o1.tm	Method	TBLASTX:Maize
Start	1430	End	1737
GI	none	Score	86
Exons	1430..1510, 1436..1498, 1600..1734, 1605..1736, 1610..1690, 1636..1737		

Seq. No.	44019	Seq. ID	OJ000350_24.0314.C16
Gene No.	92535	Strand	-
Start	4205	End	4612
Name	OJ000350_24.0314.C16.o3.gs	Method	GENSCAN
Start	4205	End	4612
GI	none	Score	.71
Exons	4205..4612		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92536	Strand	+

Start	143	End	13789
Name	OJ000350_24.0314.C17.o1.gs	Method	GENSCAN
Start	143	End	13789
GI	none	Score	.55
Exons	143..272, 1001..1200, 1210..1394, 3597..3732, 3934..4169, 4959..5059, 5324..5533, 5557..5669, 6500..6641, 10726..10816, 11233..11344, 11476..11735, 11746..11875, 12029..12193, 12391..12977, 13065..13226, 13336..13789		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92536	Strand	+
Start	143	End	13789
Name	OJ000350_24.0314.C17.o3.np	Method	AAT/NAP
Start	12418	End	13786
GI	2130023	Score	1435
Exons	12418..12977, 13065..13226, 13336..13786		
GI Descrip.	DNA-binding protein ABF1 - wild oat (fragment) gi\|1159877\|emb\|CAA88326\| (Z48429) DNA-binding protein [Avena fatua]		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92537	Strand	+
Start	14546	End	15182
Name	OJ000350_24.0314.C17.o2.gs	Method	GENSCAN
Start	14546	End	15182
GI	none	Score	.79
Exons	14546..14606, 14725..15182		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92538	Strand	+
Start	15629	End	16030
Name	OJ000350_24.0314.C17.o2.gp	Method	AAT/GAP
Start	15629	End	16030
GI	7406_1.R1084	Score	642
Exons	15629..16030		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92539	Strand	-
Start	1	End	1659
Name	OJ000350_24.0314.C17.o1.np	Method	AAT/NAP
Start	1	End	1659
GI	6983857	Score	1169
Exons	1..747, 917..1468, 1532..1659		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92540	Strand	-
Start	2349	End	5801
Name	OJ000350_24.0314.C17.o2.np	Method	AAT/NAP
Start	2349	End	5801
GI	4680186	Score	199
Exons	2349..2767, 3294..3353, 5566..5801		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17

Gene No.	92541	Strand	-
Start	13133	End	13504
Name	OJ000350_24.0314.C17.o1.gp	Method	AAT/GAP
Start	13133	End	13504
GI	5038691	Score	728
Exons	13133..13504		
GI Descrip.	2130023/pir\|\|S61413 9.0e-35 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92542	Strand	-
Start	15638	End	15760
Name	OJ000350_24.0314.C17.o1.ts	Method	TBLASTX:Soybean
Start	11990	End	13468
GI	none	Score	69
Exons	11990..12043, 12579..12779, 12582..12695, 12591..12779, 12592..12825, 12592..12702, 12730..12759, 12841..12921, 12855..12899, 13056..13211, 13072..13227, 13165..13227, 13179..13211, 13333..13449, 13333..13386, 13334..13468, 13334..13393, 13424..13453		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92542	Strand	-
Start	15638	End	15760
Name	OJ000350_24.0314.C17.o1.tm	Method	TBLASTX:Maize
Start	12567	End	13783
GI	none	Score	152
Exons	12567..12698, 12592..12702, 12723..12758, 12730..12759, 13108..13158, 13113..13148, 13162..13227, 13182..13211, 13333..13449, 13334..13468, 13508..13558, 13664..13783, 13672..13770		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92542	Strand	-
Start	15638	End	15760
Name	OJ000350_24.0314.C17.o1.tc	Method	TBLASTX:Cress
Start	12582	End	13468
GI	none	Score	144
Exons	12582..12695, 12592..12702, 12705..12797, 12706..12801, 13134..13211, 13135..13227, 13333..13446, 13334..13468		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92542	Strand	-
Start	15638	End	15760
Name	OJ000350_24.0314.C17.o1.tw	Method	TBLASTX:Wheat
Start	12582	End	13704
GI	none	Score	152
Exons	12582..12698, 12592..12702, 12723..12773, 12730..12759, 13060..13227, 13060..13146, 13065..13211, 13334..13468, 13336..13449, 13337..13450, 13565..13609, 13678..13704		

Seq. No.	44020	Seq. ID	OJ000350_24.0314.C17
Gene No.	92542	Strand	-
Start	15638	End	15760
Name	OJ000350_24.0314.C17.o3.gs	Method	GENSCAN
Start	15638	End	15760

GI	none	Score	.9
Exons	15638..15760		

Seq. No.	44021	Seq. ID	OJ000350_24.0314.C22
Gene No.	92543	Strand	-
Start	1	End	719
Name	OJ000350_24.0314.C22.o1.np	Method	AAT/NAP
Start	1	End	719
GI	7228442	Score	450
Exons	1..31, 415..719		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44021	Seq. ID	OJ000350_24.0314.C22
Gene No.	92543	Strand	-
Start	1	End	719
Name	OJ000350_24.0314.C22.o1.tw	Method	TBLASTX:Wheat
Start	415	End	719
GI	none	Score	73
Exons	415..519, 417..515, 513..713, 525..719		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92544	Strand	+
Start	2635	End	3229
Name	OJ000350_23.0315.C1.o1.gp	Method	AAT/GAP
Start	2635	End	3229
GI	76739_1.R1084	Score	1155
Exons	2635..3229		
GI Descrip.	'1041815 2.0e-14 (U16721) lipid transfer protein [Oryza sativa]'		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92544	Strand	+
Start	2635	End	3229
Name	OJ000350_23.0315.C1.o1.np	Method	AAT/NAP
Start	2671	End	2982
GI	128377	Score	247
Exons	2671..2982		
GI Descrip.	PROBABLE NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR (LTP) (ALEURON-SPECIFIC 10 KD PROTEIN) (B-FABP) gi\|82343\|pir\|\|S04126 probable phospholipid transfer protein precursor, aleurone-specific - barley gi\|18893\|emb\|CAA33329.1\| (X15257) aleurone specific protein [Hordeum vulgare] gi\|19041\|emb\|CAA49448.1\| (X69793) lipid transfer protein [Hordeum vulgare] gi\|19043\|emb\|CA		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92545	Strand	-
Start	717	End	2351
Name	OJ000350_23.0315.C1.o1.gs	Method	GENSCAN
Start	717	End	2351
GI	none	Score	.58
Exons	717..878, 1689..1735, 2135..2351		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92546	Strand	-
Start	6339	End	6465

Name	OJ000350_23.0315.C1.o1.tm	Method	TBLASTX:Maize
Start	2775	End	2994
GI	none	Score	101
Exons	2775..2867, 2776..2883, 2872..2994, 2874..2984		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92546	Strand	-
Start	6339	End	6465
Name	OJ000350_23.0315.C1.o1.tw	Method	TBLASTX:Wheat
Start	2778	End	2988
GI	none	Score	93
Exons	2778..2870, 2779..2871, 2872..2988, 2877..2909		

Seq. No.	44022	Seq. ID	OJ000350_23.0315.C1
Gene No.	92546	Strand	-
Start	6339	End	6465
Name	OJ000350_23.0315.C1.o2.np	Method	AAT/NAP
Start	6339	End	6465
GI	7106514	Score	52
Exons	6339..6465		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92547	Strand	+
Start	1	End	3603
Name	OJ000350_23.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	3600
GI	7228457	Score	4790
Exons	1..46, 423..711, 834..1983, 2050..3600		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92547	Strand	+
Start	1	End	3603
Name	OJ000350_23.0315.C2.o1.gs	Method	GENSCAN
Start	171	End	3603
GI	none	Score	.47
Exons	171..257, 436..571, 1089..1459, 1522..3603		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92548	Strand	+
Start	3763	End	4225
Name	OJ000350_23.0315.C2.o1.gp	Method	AAT/GAP
Start	3763	End	4225
GI	2428323	Score	843
Exons	3763..4225		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	439	End	782
GI	none	Score	261

Exons	439..678, 441..677, 672..782		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o1.tw	Method	TBLASTX:Wheat
Start	456	End	875
GI	none	Score	274
Exons	456..677, 457..687, 559..678, 669..875, 695..868		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o1.ts	Method	TBLASTX:Soybean
Start	535	End	905
GI	none	Score	154
Exons	535..678, 552..677, 675..905		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o3.tw	Method	TBLASTX:Wheat
Start	1528	End	1962
GI	none	Score	233
Exons	1528..1779, 1528..1758, 1593..1769, 1813..1962, 1822..1959, 1824..1961		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	2199
GI	5666795	Score	68
Exons	1651..1749, 1825..1962, 2017..2199		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o5.tw	Method	TBLASTX:Wheat
Start	1965	End	2277
GI	none	Score	197
Exons	1965..2141, 2017..2277		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	2470	End	2793
GI	none	Score	364
Exons	2470..2793, 2499..2780		
Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o2.tw	Method	TBLASTX:Wheat
Start	2607	End	2988

GI	none	Score	375
Exons	2607..2663, 2608..2988, 2704..2949, 2709..2957		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o4.tw	Method	TBLASTX:Wheat
Start	2989	End	3591
GI	none	Score	257
Exons	2989..3285, 2993..3064, 2994..3092, 3129..3272, 3465..3587, 3466..3591		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o3.tm	Method	TBLASTX:Maize
Start	3460	End	3600
GI	none	Score	183
Exons	3460..3600, 3465..3599		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o2.gs	Method	GENSCAN
Start	4233	End	7528
GI	none	Score	.91
Exons	4233..5227, 5415..6175, 6267..7528		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o2.np	Method	AAT/NAP
Start	4236	End	7528
GI	5803259	Score	5045
Exons	4236..5904, 5947..6175, 6267..7528		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o3.np	Method	AAT/NAP
Start	6722	End	9202
GI	5922623	Score	210
Exons	6722..6758, 8343..8418, 8586..8738, 9118..9202		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44023	Seq. ID	OJ000350_23.0315.C2
Gene No.	92549	Strand	-
Start	4233	End	9202
Name	OJ000350_23.0315.C2.o3.gs	Method	GENSCAN
Start	7909	End	8491
GI	none	Score	.41
Exons	7909..8024, 8061..8107, 8343..8418, 8437..8491		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3

Gene No.	92550	Strand	+
Start	36	End	612
Name	OJ000350_23.0315.C3.o1.gs	Method	GENSCAN
Start	36	End	612
GI	none	Score	.49
Exons	36..188, 289..612		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92551	Strand	+
Start	1318	End	1620
Name	OJ000350_23.0315.C3.o2.gs	Method	GENSCAN
Start	1318	End	1620
GI	none	Score	.99
Exons	1318..1620		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92551	Strand	+
Start	1318	End	1620
Name	OJ000350_23.0315.C3.o1.np	Method	AAT/NAP
Start	1330	End	1620
GI	7489543	Score	221
Exons	1330..1620		
GI Descrip.	probable lipid transfer protein - rice gi\|1041815\|gb\|AAC50030.1\| (U16721) lipid transfer protein [Oryza sativa]		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92552	Strand	+
Start	1977	End	4068
Name	OJ000350_23.0315.C3.o2.np	Method	AAT/NAP
Start	1977	End	3788
GI	7523517	Score	229
Exons	1977..2308, 2426..2612, 3542..3788		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92552	Strand	+
Start	1977	End	4068
Name	OJ000350_23.0315.C3.o3.gs	Method	GENSCAN
Start	3017	End	4068
GI	none	Score	.44
Exons	3017..3027, 3876..4068		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o1.tw	Method	TBLASTX:Wheat
Start	1411	End	5380
GI	none	Score	106
Exons	1411..1518, 1411..1491, 1513..1620, 5179..5379, 5186..5380		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	1413	End	5377
GI	none	Score	50
Exons	1413..1502, 1413..1502, 1414..1518, 1414..1506, 1503..1550,		

1507..1620, 1512..1544, 5179..5376, 5180..5377

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o1.tc	Method	TBLASTX:Cress
Start	1414	End	5377
GI	none	Score	87
Exons	1414..1518, 1495..1620, 5179..5376, 5249..5377		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o1.ts	Method	TBLASTX:Soybean
Start	1414	End	5376
GI	none	Score	78
Exons	1414..1518, 1495..1623, 5002..5070, 5114..5143, 5179..5376, 5273..5371		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o4.gs	Method	GENSCAN
Start	5173	End	5299
GI	none	Score	.99
Exons	5173..5299		

Seq. No.	44024	Seq. ID	OJ000350_23.0315.C3
Gene No.	92553	Strand	-
Start	5173	End	5383
Name	OJ000350_23.0315.C3.o3.np	Method	AAT/NAP
Start	5176	End	5383
GI	7489543	Score	229
Exons	5176..5383		
GI Descrip.	probable lipid transfer protein - rice gi\|1041815\|gb\|AAC50030.1\| (U16721) lipid transfer protein [Oryza sativa]		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92554	Strand	+
Start	3588	End	3869
Name	OJ000350_23.0315.C4.o2.np	Method	AAT/NAP
Start	3585	End	3866
GI	7489543	Score	253
Exons	3585..3866		
GI Descrip.	probable lipid transfer protein - rice gi\|1041815\|gb\|AAC50030.1\| (U16721) lipid transfer protein [Oryza sativa]		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92554	Strand	+
Start	3588	End	3869
Name	OJ000350_23.0315.C4.o2.gs	Method	GENSCAN
Start	3588	End	3869
GI	none	Score	.69
Exons	3588..3869		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92555	Strand	-

Start	687	End	2219
Name	OJ000350_23.0315.C4.o1.np	Method	AAT/NAP
Start	687	End	2219
GI	7340860	Score	83
Exons	687..711, 2095..2219		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92556	Strand	-
Start	4231	End	10293
Name	OJ000350_23.0315.C4.o3.gs	Method	GENSCAN
Start	4231	End	10293
GI	none	Score	.46
Exons	4231..4509, 4760..4880, 4918..4979, 5255..5331, 5927..6357, 10229..10293		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92557	Strand	-
Start	11355	End	11712
Name	OJ000350_23.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	3662	End	3863
GI	none	Score	226
Exons	3662..3856, 3663..3863		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92557	Strand	-
Start	11355	End	11712
Name	OJ000350_23.0315.C4.o1.tc	Method	TBLASTX:Cress
Start	3665	End	3863
GI	none	Score	215
Exons	3665..3793, 3666..3863		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92557	Strand	-
Start	11355	End	11712
Name	OJ000350_23.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	3665	End	3863
GI	none	Score	238
Exons	3665..3862, 3666..3863		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92557	Strand	-
Start	11355	End	11712
Name	OJ000350_23.0315.C4.o1.ts	Method	TBLASTX:Soybean
Start	3666	End	3863
GI	none	Score	195
Exons	3666..3863		

Seq. No.	44025	Seq. ID	OJ000350_23.0315.C4
Gene No.	92557	Strand	-
Start	11355	End	11712
Name	OJ000350_23.0315.C4.o4.gs	Method	GENSCAN
Start	11355	End	11712
GI	none	Score	.76
Exons	11355..11712		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92558	Strand	+
Start	3400	End	3681
Name	OJ000350_23.0315.C5.o2.np	Method	AAT/NAP
Start	3400	End	3681
GI	7489543	Score	252
Exons	3400..3681		
GI Descrip.	probable lipid transfer protein - rice gi\|1041815\|gb\|AAC50030.1\| (U16721) lipid transfer protein [Oryza sativa]		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92559	Strand	-
Start	2198	End	2343
Name	OJ000350_23.0315.C5.o1.np	Method	AAT/NAP
Start	2198	End	2343
GI	6997190	Score	106
Exons	2198..2343		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92560	Strand	-
Start	4248	End	15231
Name	OJ000350_23.0315.C5.o3.gs	Method	GENSCAN
Start	4248	End	15231
GI	none	Score	.79
Exons	4248..4372, 4982..5110, 5276..5384, 6663..6798, 7201..7422, 10610..10792, 10894..11015, 11582..13615, 14091..14235, 14463..14556, 14610..15231		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92560	Strand	-
Start	4248	End	15231
Name	OJ000350_23.0315.C5.o2.gp	Method	AAT/GAP
Start	10260	End	10932
GI	none	Score	1104
Exons	10260..10792, 10894..10932		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92560	Strand	-
Start	4248	End	15231
Name	OJ000350_23.0315.C5.o3.np	Method	AAT/NAP
Start	10606	End	15231
GI	6997190	Score	1221
Exons	10606..10773, 11266..11552, 11582..12771, 12832..13572, 14078..14199, 14583..14729, 14835..15020, 15127..15231		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92560	Strand	-
Start	4248	End	15231
Name	OJ000350_23.0315.C5.o3.gp	Method	AAT/GAP
Start	12676	End	13094
GI	uC-osflcyp019e12b1	Score	822
Exons	12676..13094		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 3.0e-44 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92561	Strand	-
Start	15313	End	15594
Name	OJ000350_23.0315.C5.o4.gp	Method	AAT/GAP
Start	15313	End	15594
GI	2312960	Score	560
Exons	15313..15594		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92562	Strand	-
Start	23590	End	28404
Name	OJ000350_23.0315.C5.o5.gs	Method	GENSCAN
Start	23590	End	28404
GI	none	Score	.42
Exons	23590..23694, 23737..23764, 25180..25388, 26268..26397, 27654..27732, 27883..27930, 28323..28404		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92562	Strand	-
Start	23590	End	28404
Name	OJ000350_23.0315.C5.o5.gp	Method	AAT/GAP
Start	26695	End	27590
GI	3462554	Score	1356
Exons	26695..27590		
GI Descrip.	5441876/dbj\|AP000367.1\|AP000367 3.0e-44 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	2211	End	12269
GI	none	Score	125
Exons	2211..2348, 2213..2347, 10614..10730, 10615..10794, 10616..10708, 10680..10766, 10893..10922, 10929..11018, 10931..11017, 10935..11018, 11584..11940, 11585..12169, 11966..12169, 12046..12210, 12105..12239, 12195..12269		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o2.tw	Method	TBLASTX:Wheat
Start	3480	End	3678
GI	none	Score	222
Exons	3480..3671, 3481..3678		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o3.tc	Method	TBLASTX:Cress
Start	3480	End	3678
GI	none	Score	215
Exons	3480..3608, 3481..3678		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398

Name	OJ000350_23.0315.C5.o5.tm	Method	TBLASTX:Maize
Start	3480	End	3678
GI	none	Score	134
Exons	3480..3677, 3480..3677, 3481..3678		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o2.ts	Method	TBLASTX:Soybean
Start	3481	End	3678
GI	none	Score	197
Exons	3481..3678		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	11612	End	13268
GI	none	Score	69
Exons	11612..11794, 12881..13051, 12883..13014, 13109..13261, 13164..13268		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o2.tc	Method	TBLASTX:Cress
Start	11900	End	12541
GI	none	Score	248
Exons	11900..12052, 12132..12521, 12142..12513, 12239..12541, 12386..12538		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o3.tm	Method	TBLASTX:Maize
Start	12270	End	12473
GI	none	Score	252
Exons	12270..12473, 12270..12470, 12272..12472		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	12568	End	12965
GI	none	Score	370
Exons	12568..12963, 12569..12964, 12582..12965		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o2.tm	Method	TBLASTX:Maize
Start	12746	End	13047
GI	none	Score	88
Exons	12746..12859, 12751..12858, 12845..13045, 12856..13047, 12873..13046		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5

Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o1.ts	Method	TBLASTX:Soybean
Start	12971	End	13294
GI	none	Score	95
Exons	12971..13294, 13164..13268		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o4.tm	Method	TBLASTX:Maize
Start	13286	End	13627
GI	none	Score	111
Exons	13286..13408, 13322..13552, 13330..13410, 13335..13406, 13392..13541, 13559..13627, 13563..13619		

Seq. No.	44026	Seq. ID	OJ000350_23.0315.C5
Gene No.	92563	Strand	-
Start	30894	End	31398
Name	OJ000350_23.0315.C5.o6.gs	Method	GENSCAN
Start	30894	End	31398
GI	none	Score	.45
Exons	30894..31164, 31219..31398		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92564	Strand	+
Start	205	End	3705
Name	OJ000350_23.0315.C6.o1.gs	Method	GENSCAN
Start	205	End	2906
GI	none	Score	.5
Exons	205..334, 529..846, 1439..1544, 1672..1871, 2553..2906		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92564	Strand	+
Start	205	End	3705
Name	OJ000350_23.0315.C6.o1.np	Method	AAT/NAP
Start	585	End	3705
GI	7486819	Score	524
Exons	585..846, 1496..1544, 1672..1871, 2598..2842, 3627..3705		
GI Descrip.	hypothetical protein M7J2.60 - Arabidopsis thaliana gi\|2980793\|emb\|CAA18169.1\| (AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92564	Strand	+
Start	205	End	3705
Name	OJ000350_23.0315.C6.o1.gp	Method	AAT/GAP
Start	2792	End	3189
GI	none	Score	650
Exons	2792..3189		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92565	Strand	+
Start	17010	End	21950
Name	OJ000350_23.0315.C6.o5.gs	Method	GENSCAN
Start	17010	End	21732
GI	none	Score	.9

Exons	17010..17365, 17865..17925, 18083..18317, 19004..19242, 19343..19594, 19681..19861, 20519..20607, 21503..21576, 21654..21732		
Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92565	Strand	+
Start	17010	End	21950
Name	OJ000350_23.0315.C6.o2.np	Method	AAT/NAP
Start	17013	End	21729
GI	3775993	Score	1773
Exons	17013..17094, 17146..17365, 17865..17925, 18083..18317, 19004..19242, 19343..19594, 19681..19861, 20519..20607, 21503..21576, 21654..21729		
GI Descrip.	(AJ010460) RNA helicase [Arabidopsis thaliana]		
Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92565	Strand	+
Start	17010	End	21950
Name	OJ000350_23.0315.C6.o4.gp	Method	AAT/GAP
Start	17240	End	18299
GI	4969210	Score	683
Exons	17240..17365, 17865..17925, 18083..18299		
GI Descrip.	3775993/emb\|CAA09199\| 2.0e-26 (AJ010460) RNA helicase [Arabidopsis thaliana]		
Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92565	Strand	+
Start	17010	End	21950
Name	OJ000350_23.0315.C6.o5.gp	Method	AAT/GAP
Start	19697	End	21950
GI	20752_1.R1084	Score	876
Exons	19697..19861, 20519..20607, 21503..21576, 21654..21812, 21900..21950		
GI Descrip.	'3047117 5.0e-60 (AF058919) similar to ATP-dependent RNA helicases [Arabidopsis thaliana]'		
Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92566	Strand	+
Start	23428	End	30592
Name	OJ000350_23.0315.C6.o6.gs	Method	GENSCAN
Start	23428	End	30592
GI	none	Score	.56
Exons	23428..23569, 24444..24639, 24700..24912, 25589..25710, 26363..26475, 26689..26775, 27642..27709, 27806..27931, 28246..28351, 28463..28581, 28831..29059, 29295..30239, 30248..30592		
Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92566	Strand	+
Start	23428	End	30592
Name	OJ000350_23.0315.C6.o6.gp	Method	AAT/GAP
Start	25725	End	27706
GI	82016_1.R1084	Score	949
Exons	25725..25808, 26363..26475, 26565..26619, 26720..26775, 27029..27076, 27281..27329, 27432..27515, 27642..27706		
GI Descrip.	'3551954/gb\|AAC34855.1\| 1.0e-34 (AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]'		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92566	Strand	+
Start	23428	End	30592
Name	OJ000350_23.0315.C6.o3.np	Method	AAT/NAP
Start	26697	End	28224
GI	6997194	Score	505
Exons	26697..26775, 27029..27076, 27281..27329, 27432..27515, 27642..27709, 27806..27931, 28026..28224		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92566	Strand	+
Start	23428	End	30592
Name	OJ000350_23.0315.C6.o7.gp	Method	AAT/GAP
Start	27847	End	28520
GI	79085_1.R1084	Score	756
Exons	27847..27931, 28026..28101, 28246..28520		
GI Descrip.	'3152603 2.0e-11 (AC004482) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92567	Strand	-
Start	3349	End	4025
Name	OJ000350_23.0315.C6.o2.gs	Method	GENSCAN
Start	3349	End	4025
GI	none	Score	.46
Exons	3349..3367, 3553..4025		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92568	Strand	-
Start	5847	End	8974
Name	OJ000350_23.0315.C6.o3.gs	Method	GENSCAN
Start	5847	End	8974
GI	none	Score	.7
Exons	5847..6122, 6160..6315, 6352..6539, 6630..6812, 6889..7139, 7231..7356, 8955..8974		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92569	Strand	-
Start	13313	End	13859
Name	OJ000350_23.0315.C6.o3.gp	Method	AAT/GAP
Start	13313	End	13859
GI	4529_1.R1084	Score	1049
Exons	13313..13859		
GI Descrip.	'3775993/emb\|CAA09199\| 2.0e-26 (AJ010460) RNA helicase [Arabidopsis thaliana]'		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o6.tm	Method	TBLASTX:Maize
Start	769	End	2927
GI	none	Score	64
Exons	769..819, 822..848, 1487..1543, 1690..1869, 1704..1877, 1706..1864, 2592..2927, 2597..2857, 2667..2885		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o3.tc	Method	TBLASTX:Cress
Start	1487	End	2855
GI	none	Score	75
Exons	1487..1543, 1667..1864, 1670..1864, 1671..1871, 1671..1871, 2595..2855, 2597..2839		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o4.ts	Method	TBLASTX:Soybean
Start	1667	End	2855
GI	none	Score	205
Exons	1667..1864, 1668..1877, 1668..1871, 2592..2855, 2597..2839		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o1.tc	Method	TBLASTX:Cress
Start	17865	End	21732
GI	none	Score	96
Exons	17865..17924, 17869..17925, 18076..18228, 18080..18316, 18080..18319, 19005..19241, 19006..19242, 19340..19621, 19342..19599, 19672..19860, 19678..19854, 19686..19859, 20508..20609, 20509..20610, 21476..21577, 21502..21576, 21655..21732, 21657..21710		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	17869	End	19888
GI	none	Score	78
Exons	17869..17925, 18080..18136, 18081..18146, 18082..18147, 18122..18316, 18137..18316, 18144..18320, 19002..19241, 19003..19242, 19003..19242, 19340..19621, 19342..19599, 19668..19868, 19672..19860, 19672..19887, 19676..19888		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o3.tm	Method	TBLASTX:Maize
Start	18108	End	18316
GI	none	Score	340
Exons	18108..18308, 18110..18316, 18110..18316		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	19024	End	22020
GI	none	Score	369
Exons	19024..19242, 19026..19280, 19026..19241, 19340..19621, 19342..19596, 19672..19860, 19679..19864, 19680..19859, 20508..20609, 20508..20609, 20509..20610, 20515..20616,		

20516..20617, 21463..21579, 21476..21577, 21490..21579,
21646..21744, 21654..21746, 21655..21744, 21656..21745,
21660..21800, 21893..22015, 21897..22019, 21900..22019,
21907..22020

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	19165	End	21681
GI	none	Score	113

Exons 19165..19242, 19167..19241, 19340..19621, 19341..19430,
19342..19629, 19342..19596, 19672..19860, 19679..19873,
19679..19867, 19680..19868, 20508..20609, 20508..20609,
20509..20619, 20515..20619, 21503..21577, 21505..21579,
21508..21579, 21646..21681, 21655..21681

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o5.ts	Method	TBLASTX:Soybean
Start	20508	End	21759
GI	none	Score	157

Exons 20508..20609, 20509..20610, 20518..20616, 21476..21577,
21502..21579, 21502..21579, 21646..21723, 21650..21733,
21654..21725, 21655..21759

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o4.np	Method	AAT/NAP
Start	29733	End	31155
GI	2072393	Score	67

Exons 29733..29827, 30916..31024, 31109..31155
GI Descrip. (U29168) similar to human Xeroderma pigmentosum group B DNA repair protein, Swiss-Prot Accession Number P19447 [Arabidopsis thaliana]

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o7.gs	Method	GENSCAN
Start	30902	End	32212
GI	none	Score	.6

Exons 30902..31024, 31109..31216, 31322..31480, 31571..32212

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o7.tm	Method	TBLASTX:Maize
Start	30956	End	31158
GI	none	Score	205

Exons 30956..31102, 30957..31103, 30958..31158, 31097..31150

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826

Name	OJ000350_23.0315.C6.o5.np	Method	AAT/NAP
Start	31343	End	36826
GI	6815107	Score	674
Exons	31343..31907, 32209..32258, 32289..32459, 32577..32745, 32791..33787, 36778..36826		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o9.tm	Method	TBLASTX:Maize
Start	31778	End	32107
GI	none	Score	186
Exons	31778..32107		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o2.ts	Method	TBLASTX:Soybean
Start	32532	End	33136
GI	none	Score	99
Exons	32532..32645, 32779..33135, 32873..33136		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o8.gs	Method	GENSCAN
Start	32641	End	36459
GI	none	Score	.9
Exons	32641..33787, 34022..34049, 34226..34310, 35241..35355, 35463..35525, 35917..35962, 36220..36306, 36387..36459		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o4.tm	Method	TBLASTX:Maize
Start	32779	End	33195
GI	none	Score	133
Exons	32779..33195, 32849..33193		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o4.tc	Method	TBLASTX:Cress
Start	32881	End	33195
GI	none	Score	209
Exons	32881..33195		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o5.tm	Method	TBLASTX:Maize
Start	33409	End	33793
GI	none	Score	39
Exons	33409..33588, 33455..33553, 33585..33776, 33586..33756, 33586..33786, 33617..33793		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o8.gp	Method	AAT/GAP
Start	34771	End	36461
GI	3698_2.R1084	Score	1524
Exons	34771..35151, 35241..35355, 35463..35525, 35917..35988, 36078..36132, 36220..36306, 36387..36461		
GI Descrip.	'3047125 2.0e-86 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o2.tc	Method	TBLASTX:Cress
Start	35074	End	36462
GI	none	Score	78
Exons	35074..35157, 35241..35357, 35459..35524, 35917..35988, 35919..35987, 36077..36130, 36077..36130, 36221..36313, 36228..36308, 36394..36462, 36395..36460		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o6.np	Method	AAT/NAP
Start	35080	End	36826
GI	4558661	Score	341
Exons	35080..35151, 35241..35355, 35463..35525, 35917..35988, 36078..36132, 36220..36306, 36387..36463, 36747..36826		
GI Descrip.	(AC007063) malate oxidoreductase (malic enzyme) [Arabidopsis thaliana]		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o8.tm	Method	TBLASTX:Maize
Start	35080	End	35404
GI	none	Score	89
Exons	35080..35157, 35081..35149, 35086..35154, 35241..35357, 35247..35357, 35258..35404		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o3.ts	Method	TBLASTX:Soybean
Start	35241	End	36462
GI	none	Score	65
Exons	35241..35354, 35459..35524, 35919..35987, 35920..35988, 36077..36133, 36078..36101, 36218..36307, 36219..36308, 36394..36462		

Seq. No.	44027	Seq. ID	OJ000350_23.0315.C6
Gene No.	92570	Strand	-
Start	29733	End	36826
Name	OJ000350_23.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	35468	End	36462

GI	none	Score	84
Exons	35468..35524, 35472..35525, 35477..35533, 35478..35525, 35905..35982, 35917..35988, 35919..35987, 36076..36135, 36077..36133, 36078..36134, 36218..36307, 36219..36314, 36220..36315, 36317..36460, 36375..36461, 36385..36462, 36388..36462		

Seq. No.	44028	Seq. ID	OJ000350_23.0315.C7
Gene No.	92571	Strand	-
Start	1	End	1085
Name	OJ000350_23.0315.C7.o1.gp	Method	AAT/GAP
Start	1	End	1085
GI	3698_2.R1084	Score	438
Exons	1..129, 210..282, 852..917, 1048..1085		
GI Descrip.	'3047125 2.0e-86 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	44028	Seq. ID	OJ000350_23.0315.C7
Gene No.	92571	Strand	-
Start	1	End	1085
Name	OJ000350_23.0315.C7.o1.np	Method	AAT/NAP
Start	1	End	1085
GI	585452	Score	202
Exons	1..129, 210..282, 852..917, 1048..1085		
GI Descrip.	NAD-DEPENDENT MALIC ENZYME 59 KD ISOFORM, MITOCHONDRIAL PRECURSOR (NAD-ME) gi\|1076666\|pir\|\|A53318 malate dehydrogenase (decarboxylating) (EC 1.1.1.39) 59K chain precursor, mitochondrial - potato gi\|438131\|emb\|CAA80547.1\| (Z23002) precursor of the 59kDa subunit of the mitochondrial NAD+-dependent malic enzyme [Solanum tuberosum]		

Seq. No.	44028	Seq. ID	OJ000350_23.0315.C7
Gene No.	92571	Strand	-
Start	1	End	1085
Name	OJ000350_23.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	41	End	928
GI	none	Score	133
Exons	41..130, 42..137, 43..138, 140..283, 198..284, 207..284, 208..285, 211..285, 838..918, 849..917, 850..921, 851..928		

Seq. No.	44028	Seq. ID	OJ000350_23.0315.C7
Gene No.	92571	Strand	-
Start	1	End	1085
Name	OJ000350_23.0315.C7.o1.gs	Method	GENSCAN
Start	43	End	978
GI	none	Score	.97
Exons	43..129, 210..282, 852..978		

Seq. No.	44029	Seq. ID	OJ000350_23.0315.C8
Gene No.	92572	Strand	+
Start	47	End	161
Name	OJ000350_23.0315.C8.o1.gs	Method	GENSCAN
Start	47	End	161
GI	none	Score	.59
Exons	47..161		

Seq. No.	44030	Seq. ID	OJ000350_23.0315.C10

Gene No.	92573	Strand	-
Start	29	End	292
Name	OJ000350_23.0315.C10.o1.gs	Method	GENSCAN
Start	29	End	292
GI	none	Score	.52
Exons	29..292		

Seq. No.	44031	Seq. ID	OJ000350_23.0315.C12
Gene No.	92574	Strand	-
Start	1	End	718
Name	OJ000350_23.0315.C12.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6721512	Score	65
Exons	1..61, 89..206, 691..718		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44031	Seq. ID	OJ000350_23.0315.C12
Gene No.	92574	Strand	-
Start	1	End	718
Name	OJ000350_23.0315.C12.o1.gs	Method	GENSCAN
Start	162	End	205
GI	none	Score	.77
Exons	162..205		

Seq. No.	44032	Seq. ID	OJ000350_23.0315.C20
Gene No.	92575	Strand	+
Start	399	End	584
Name	OJ000350_23.0315.C20.o1.gs	Method	GENSCAN
Start	399	End	584
GI	none	Score	.75
Exons	399..584		

Seq. No.	44033	Seq. ID	OJ000350_23.0315.C29
Gene No.	92576	Strand	+
Start	384	End	510
Name	OJ000350_23.0315.C29.o1.gs	Method	GENSCAN
Start	384	End	510
GI	none	Score	.98
Exons	384..510		

Seq. No.	44033	Seq. ID	OJ000350_23.0315.C29
Gene No.	92577	Strand	-
Start	921	End	963
Name	OJ000350_23.0315.C29.o2.gs	Method	GENSCAN
Start	921	End	963
GI	none	Score	.67
Exons	921..963		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92578	Strand	+
Start	4652	End	8290
Name	OJ000210_24.0316.C2.o3.np	Method	AAT/NAP
Start	4652	End	8113
GI	5733874	Score	1460
Exons	4652..4694, 5790..6138, 6227..6482, 6581..6715, 6799..8113		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92578	Strand	+
Start	4652	End	8290
Name	OJ000210_24.0316.C2.o2.gs	Method	GENSCAN
Start	5006	End	5561
GI	none	Score	.55
Exons	5006..5076, 5212..5329, 5550..5561		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92578	Strand	+
Start	4652	End	8290
Name	OJ000210_24.0316.C2.o3.gs	Method	GENSCAN
Start	5805	End	8125
GI	none	Score	.98
Exons	5805..6138, 6227..6482, 6581..6715, 6799..8125		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92578	Strand	+
Start	4652	End	8290
Name	OJ000210_24.0316.C2.o1.gp	Method	AAT/GAP
Start	6307	End	8290
GI	29119_1.R1084	Score	3354
Exons	6307..6482, 6581..6715, 6799..8290		
GI Descrip.	'5733874/gb\|AAD49762.1\|AC007932_10 4.0e-92 (AC007932) F11A17.8 [Arabidopsis thaliana]'		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92579	Strand	-
Start	295	End	3055
Name	OJ000210_24.0316.C2.o1.np	Method	AAT/NAP
Start	295	End	3055
GI	2623622	Score	40
Exons	295..381, 663..755, 3020..3055		
GI Descrip.	(AF028840) Kruppel-associated box protein [Homo sapiens]		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92579	Strand	-
Start	295	End	3055
Name	OJ000210_24.0316.C2.o2.np	Method	AAT/NAP
Start	1254	End	2698
GI	4544450	Score	871
Exons	1254..2698		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	1291	End	2690
GI	none	Score	50
Exons	1291..1518, 1296..2135, 1638..1853, 1696..1887, 1755..1931, 1803..2132, 1813..2010, 1836..2234, 1934..1999, 1948..2010, 2058..2315, 2062..2109, 2118..2228, 2118..2294, 2244..2471, 2244..2468, 2292..2465, 2320..2466, 2601..2690		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-

Start	9740	End	11729
Name	OJ000210_24.0316.C2.o5.tc	Method	TBLASTX:Cress
Start	1312	End	1613
GI	none	Score	92
Exons	1312..1494, 1314..1613		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o3.ts	Method	TBLASTX:Soybean
Start	1326	End	1844
GI	none	Score	101
Exons	1326..1844, 1330..1611, 1608..1712		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o1.tc	Method	TBLASTX:Cress
Start	1620	End	2654
GI	none	Score	68
Exons	1620..1721, 1725..1841, 1749..2024, 1846..2007, 1848..2471, 1905..2255, 1905..2108, 2065..2133, 2068..2274, 2244..2528, 2296..2472, 2301..2654		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	1701	End	2573
GI	none	Score	60
Exons	1701..1817, 1701..2177, 1702..1989, 1740..1880, 1848..2156, 2064..2294, 2244..2573, 2296..2529		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o4.ts	Method	TBLASTX:Soybean
Start	1863	End	2429
GI	none	Score	104
Exons	1863..2015, 1864..2025, 2055..2237, 2068..2229, 2295..2429		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	5837	End	6683
GI	none	Score	207
Exons	5837..6046, 5838..6116, 6068..6139, 6214..6270, 6276..6485, 6292..6489, 6292..6489, 6573..6683		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o5.ts	Method	TBLASTX:Soybean
Start	5856	End	6119
GI	none	Score	203
Exons	5856..6119, 5882..6025, 6068..6118		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o3.tc	Method	TBLASTX:Cress
Start	5972	End	6485
GI	none	Score	124
Exons	5972..6016, 5976..6116, 6068..6139, 6214..6483, 6226..6258, 6297..6485		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o2.ts	Method	TBLASTX:Soybean
Start	6394	End	11728
GI	none	Score	98
Exons	6394..6483, 6405..6485, 6573..6719, 6799..6909, 6815..7057, 11380..11727, 11417..11728		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	6796	End	11728
GI	none	Score	64
Exons	6796..6996, 6796..6939, 6806..6985, 6827..7006, 11446..11727, 11447..11728		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o4.tc	Method	TBLASTX:Cress
Start	6865	End	11592
GI	none	Score	172
Exons	6865..6939, 6866..7078, 11380..11592, 11417..11578		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	7007	End	11445
GI	none	Score	634
Exons	7007..7078, 7129..7416, 7139..7708, 7367..7612, 7468..7707, 7687..8046, 7712..8044, 9819..10034, 9836..10153, 10163..10291, 10849..11349, 10877..11299, 11371..11445		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	7109	End	11337
GI	none	Score	454
Exons	7109..7633, 7162..7419, 7373..7576, 7489..7626, 7664..7705, 7826..8101, 7831..8097, 9764..10036, 9777..10034, 10043..10207, 10137..10205, 10232..10294, 10233..10289, 10876..11337, 10877..10984, 11030..11137, 11171..11293		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o2.tc	Method	TBLASTX:Cress
Start	7271	End	11148
GI	none	Score	128
Exons	7271..7426, 7469..7642, 7471..7641, 7817..8062, 7831..8088, 9774..10034, 9809..10045, 10124..10207, 10208..10294, 10834..11040, 10877..10984, 11026..11148, 11048..11137		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o2.tw	Method	TBLASTX:Wheat
Start	7817	End	10186
GI	none	Score	228
Exons	7817..8110, 7831..8109, 9755..10045, 9756..10037, 10124..10186		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o4.gs	Method	GENSCAN
Start	9740	End	11673
GI	none	Score	.86
Exons	9740..10234, 10773..10796, 10888..11673		

Seq. No.	44034	Seq. ID	OJ000210_24.0316.C2
Gene No.	92580	Strand	-
Start	9740	End	11729
Name	OJ000210_24.0316.C2.o4.np	Method	AAT/NAP
Start	9755	End	11729
GI	6686396	Score	1374
Exons	9755..10294, 10888..11729		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92581	Strand	+
Start	2446	End	5556
Name	OJ000210_24.0316.C3.o2.gs	Method	GENSCAN
Start	2446	End	5489
GI	none	Score	.75
Exons	2446..2538, 2632..2738, 2800..2925, 3876..3998, 4094..4214, 4510..4627, 4753..4889, 5118..5219, 5397..5489		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92581	Strand	+
Start	2446	End	5556
Name	OJ000210_24.0316.C3.o2.gp	Method	AAT/GAP
Start	2635	End	5556
GI	890_1.R1084	Score	1233
Exons	2635..2738, 4094..4214, 4510..4627, 4753..4889, 5118..5219, 5397..5556		
GI Descrip.	'3885880 1.0e-173 (AF093628) protochlorophyllide reductase homolog [Oryza sativa]'		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92581	Strand	+

Start	2446	End	5556
Name	OJ000210_24.0316.C3.o1.np	Method	AAT/NAP
Start	2641	End	5556
GI	3885880	Score	957
Exons	2641..2738, 4094..4214, 4510..4627, 4753..4889, 5118..5219, 5397..5556		
GI Descrip.	(AF093628) protochlorophyllide reductase homolog [Oryza sativa]		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92582	Strand	-
Start	60	End	1383
Name	OJ000210_24.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	6	End	350
GI	none	Score	91
Exons	6..113, 7..105, 144..350, 145..348		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92582	Strand	-
Start	60	End	1383
Name	OJ000210_24.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	6	End	489
GI	none	Score	77
Exons	6..125, 10..132, 103..489, 108..488		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92582	Strand	-
Start	60	End	1383
Name	OJ000210_24.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	6	End	462
GI	none	Score	62
Exons	6..107, 19..156, 141..458, 178..462		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92582	Strand	-
Start	60	End	1383
Name	OJ000210_24.0316.C3.o1.gs	Method	GENSCAN
Start	60	End	1383
GI	none	Score	.85
Exons	60..242, 277..647, 1338..1383		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92582	Strand	-
Start	60	End	1383
Name	OJ000210_24.0316.C3.o1.gp	Method	AAT/GAP
Start	417	End	815
GI	none	Score	696
Exons	417..815		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92583	Strand	
Start	2554	End	2735
Name	OJ000210_24.0316.C3.o3.tm	Method	TBLASTX:Maize
Start	2554	End	2735
GI	none	Score	214
Exons	2554..2733, 2619..2735		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3

Gene No.	92584	Strand	
Start	4507	End	5494
Name	OJ000210_24.0316.C3.o2.tm	Method	TBLASTX:Maize
Start	4507	End	4892
GI	none	Score	177
Exons	4507..4626, 4507..4626, 4508..4627, 4509..4640, 4750..4887, 4751..4888, 4752..4892		

Seq. No.	44035	Seq. ID	OJ000210_24.0316.C3
Gene No.	92584	Strand	
Start	4507	End	5494
Name	OJ000210_24.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	4531	End	5494
GI	none	Score	146
Exons	4531..4626, 4551..4625, 4751..4861, 4752..4805, 4773..4892, 5117..5215, 5118..5222, 5394..5489, 5396..5494		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92585	Strand	+
Start	1	End	265
Name	OJ000210_24.0316.C4.o1.np	Method	AAT/NAP
Start	1	End	265
GI	6016874	Score	117
Exons	1..265		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92586	Strand	+
Start	343	End	1070
Name	OJ000210_24.0316.C4.o1.gp	Method	AAT/GAP
Start	343	End	1070
GI	890_1.R1084	Score	1166
Exons	343..428, 522..1070		
GI Descrip.	'3885880 1.0e-173 (AF093628) protochlorophyllide reductase homolog [Oryza sativa]'		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92586	Strand	+
Start	343	End	1070
Name	OJ000210_24.0316.C4.o1.gs	Method	GENSCAN
Start	347	End	787
GI	none	Score	.92
Exons	347..428, 522..787		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92586	Strand	+
Start	343	End	1070
Name	OJ000210_24.0316.C4.o2.np	Method	AAT/NAP
Start	356	End	784
GI	3885880	Score	538
Exons	356..428, 522..784		
GI Descrip.	(AF093628) protochlorophyllide reductase homolog [Oryza sativa]		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92587	Strand	+

Start	1262	End	1552
Name	OJ000210_24.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	355	End	781
GI	none	Score	128
Exons	355..429, 356..430, 357..431, 393..434, 513..650, 517..774, 521..775, 530..781		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92587	Strand	+
Start	1262	End	1552
Name	OJ000210_24.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	566	End	778
GI	none	Score	280
Exons	566..652, 569..778, 571..771, 594..773, 701..778		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92587	Strand	+
Start	1262	End	1552
Name	OJ000210_24.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	581	End	775
GI	none	Score	189
Exons	581..775, 592..774		

Seq. No.	44036	Seq. ID	OJ000210_24.0316.C4
Gene No.	92587	Strand	+
Start	1262	End	1552
Name	OJ000210_24.0316.C4.o2.gp	Method	AAT/GAP
Start	1262	End	1552
GI	1808_1.R1084	Score	516
Exons	1262..1552		
GI Descrip.	'2244797/emb\|CAB10220.1\| 1.0e-22 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44037	Seq. ID	OJ000210_24.0316.C5
Gene No.	92588	Strand	-
Start	85	End	1276
Name	OJ000210_24.0316.C5.o1.gp	Method	AAT/GAP
Start	85	End	1276
GI	1808_1.R1084	Score	465
Exons	85..167, 373..435, 1111..1276		
GI Descrip.	'2244797/emb\|CAB10220.1\| 1.0e-22 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44037	Seq. ID	OJ000210_24.0316.C5
Gene No.	92588	Strand	-
Start	85	End	1276
Name	OJ000210_24.0316.C5.o1.gs	Method	GENSCAN
Start	87	End	1220
GI	none	Score	.59
Exons	87..167, 1111..1220		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92589	Strand	+
Start	4752	End	7934
Name	OJ000210_24.0316.C6.o1.gp	Method	AAT/GAP
Start	4525	End	5018
GI	none	Score	917

Exons	4525..5018		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92589	Strand	+
Start	4752	End	7934
Name	OJ000210_24.0316.C6.o1.np	Method	AAT/NAP
Start	4749	End	7913
GI	6598459	Score	2230
Exons	4749..4916, 4944..5267, 5340..7007, 7035..7913		
GI Descrip.	(AC005312) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92589	Strand	+
Start	4752	End	7934
Name	OJ000210_24.0316.C6.o1.gs	Method	GENSCAN
Start	4752	End	7934
GI	none	Score	1
Exons	4752..7934		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92590	Strand	+
Start	9766	End	14476
Name	OJ000210_24.0316.C6.o2.gs	Method	GENSCAN
Start	9766	End	14306
GI	none	Score	.74
Exons	9766..9814, 9898..10075, 10624..10714, 10850..11015, 11494..12054, 12722..13071, 13172..13212, 13237..13318, 14103..14306		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92590	Strand	+
Start	9766	End	14476
Name	OJ000210_24.0316.C6.o2.np	Method	AAT/NAP
Start	10676	End	14303
GI	4038035	Score	820
Exons	10676..10717, 10850..10984, 11500..12060, 12650..13130, 13237..13318, 14103..14303		
GI Descrip.	(AC005936) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92590	Strand	+
Start	9766	End	14476
Name	OJ000210_24.0316.C6.o2.gp	Method	AAT/GAP
Start	12725	End	13024
GI	LIB3434-062-P1-K1-C5	Score	564
Exons	12725..13024		
GI Descrip.	'4038035 5.0e-24 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		
Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92590	Strand	+
Start	9766	End	14476
Name	OJ000210_24.0316.C6.o3.gp	Method	AAT/GAP
Start	14113	End	14476
GI	2443017	Score	620
Exons	14113..14476		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92591	Strand	+
Start	15329	End	19466
Name	OJ000210_24.0316.C6.o4.np	Method	AAT/NAP
Start	15329	End	19466
GI	5903095	Score	497
Exons	15329..15451, 16593..16714, 16863..16893, 17381..17443, 17564..17675, 18232..18317, 19130..19188, 19275..19466		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92591	Strand	+
Start	15329	End	19466
Name	OJ000210_24.0316.C6.o5.gp	Method	AAT/GAP
Start	16311	End	19466
GI	5652_1.R1084	Score	1707
Exons	16311..16714, 16863..16893, 17188..17280, 17381..17443, 17564..17675, 18232..18317, 19130..19188, 19275..19377, 19437..19466		
GI Descrip.	'5903095/gb\|AAD55653.1\|AC008017_26 9.0e-74 (AC008017) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92591	Strand	+
Start	15329	End	19466
Name	OJ000210_24.0316.C6.o4.gs	Method	GENSCAN
Start	16413	End	17701
GI	none	Score	.95
Exons	16413..16714, 16863..16893, 17188..17280, 17564..17701		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.ts	Method	TBLASTX:Soybean
Start	5316	End	6674
GI	none	Score	109
Exons	5316..5588, 5793..5945, 5979..6317, 5984..6214, 6257..6286, 6360..6467, 6389..6460, 6432..6674		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.tc	Method	TBLASTX:Cress
Start	5346	End	6686
GI	none	Score	396
Exons	5346..5963, 5381..5506, 5594..5923, 5760..5978, 6066..6287, 6096..6314, 6432..6686, 6432..6683, 6438..6686, 6447..6686		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o4.tm	Method	TBLASTX:Maize
Start	5367	End	6692
GI	none	Score	89
Exons	5367..5621, 5400..5693, 5400..5555, 5544..5699, 5672..5908, 5697..5900, 5763..5915, 5832..5978, 5841..5978, 6138..6287,		

6432..6635, 6465..6659, 6537..6692

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o2.tw	Method	TBLASTX:Wheat
Start	5403	End	6686
GI	none	Score	97
Exons	5403..5549, 5547..5699, 5790..5975, 5835..6014, 6150..6299, 6432..6539, 6549..6686, 6603..6686		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	7035	End	7895
GI	none	Score	274
Exons	7035..7343, 7097..7339, 7353..7703, 7455..7538, 7535..7573, 7815..7895		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	7035	End	7700
GI	none	Score	244
Exons	7035..7337, 7064..7336, 7335..7700, 7355..7480		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.tw	Method	TBLASTX:Wheat
Start	7035	End	7265
GI	none	Score	177
Exons	7035..7265, 7064..7261		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o1.tc	Method	TBLASTX:Cress
Start	7064	End	7895
GI	none	Score	199
Exons	7064..7201, 7065..7340, 7347..7688, 7725..7895		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o1.tw	Method	TBLASTX:Wheat
Start	7314	End	7700
GI	none	Score	51
Exons	7314..7349, 7368..7538, 7454..7480, 7548..7700, 7559..7627		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o5.tm	Method	TBLASTX:Maize
Start	12645	End	12852

GI	none	Score	263
Exons	12645..12680, 12682..12852, 12683..12844, 12684..12851		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.tm	Method	TBLASTX:Maize
Start	12855	End	13279
GI	none	Score	332
Exons	12855..13133, 12856..13134, 12856..13143, 13232..13279, 13234..13266, 13235..13279		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o4.ts	Method	TBLASTX:Soybean
Start	12910	End	13318
GI	none	Score	53
Exons	12910..12951, 12949..13029, 12967..13023, 13077..13133, 13083..13133, 13232..13318, 13235..13318		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o6.tm	Method	TBLASTX:Maize
Start	14097	End	14306
GI	none	Score	241
Exons	14097..14306, 14097..14300, 14102..14305		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o4.gp	Method	AAT/GAP
Start	15063	End	15899
GI	21043_1.R1084	Score	1383
Exons	15063..15683, 15761..15899		
GI Descrip.	'2760362 2.0e-40 (AF016511) 15.9 kDa subunit of RNA polymerase II [Arabidopsis thaliana]'		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	15302	End	15688
GI	none	Score	419
Exons	15302..15604, 15304..15603, 15592..15684, 15608..15688		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o2.tc	Method	TBLASTX:Cress
Start	15302	End	15688
GI	none	Score	57
Exons	15302..15358, 15304..15357, 15344..15580, 15349..15594, 15598..15684, 15599..15688		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6

Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	15304	End	15688
GI	none	Score	57
Exons	15304..15357, 15305..15358, 15347..15580, 15349..15594, 15598..15684, 15599..15688		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.gs	Method	GENSCAN
Start	15304	End	15809
GI	none	Score	.97
Exons	15304..15683, 15761..15809		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92592	Strand	-
Start	15304	End	15899
Name	OJ000210_24.0316.C6.o3.np	Method	AAT/NAP
Start	15307	End	15809
GI	2760362	Score	497
Exons	15307..15683, 15761..15809		
GI Descrip.	(AF016511) 15.9 kDa subunit of RNA polymerase II [Arabidopsis thaliana]		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92593	Strand	
Start	16581	End	19377
Name	OJ000210_24.0316.C6.o7.tm	Method	TBLASTX:Maize
Start	16581	End	17259
GI	none	Score	215
Exons	16581..16715, 16581..16628, 16610..16714, 17175..17240, 17182..17259, 17184..17258, 17185..17259		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92593	Strand	
Start	16581	End	19377
Name	OJ000210_24.0316.C6.o4.tc	Method	TBLASTX:Cress
Start	16599	End	19353
GI	none	Score	128
Exons	16599..16715, 16616..16714, 17182..17283, 17184..17282, 17368..17445, 17381..17458, 17564..17677, 17564..17677, 18237..18317, 19129..19191, 19130..19183, 19287..19343, 19297..19353		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92593	Strand	
Start	16581	End	19377
Name	OJ000210_24.0316.C6.o5.ts	Method	TBLASTX:Soybean
Start	16599	End	17449
GI	none	Score	143
Exons	16599..16715, 16619..16714, 17182..17283, 17184..17282, 17368..17442, 17381..17449		

Seq. No.	44038	Seq. ID	OJ000210_24.0316.C6
Gene No.	92593	Strand	

Start	16581	End	19377
Name	OJ000210_24.0316.C6.o8.tm	Method	TBLASTX:Maize
Start	17380	End	19377
GI	none	Score	88
Exons	17380..17439, 17381..17458, 17381..17443, 17563..17637, 17564..17677, 17564..17677, 18226..18318, 18234..18317, 18234..18320, 19129..19188, 19130..19189, 19248..19376, 19277..19369, 19284..19370, 19297..19377		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92594	Strand	+
Start	1	End	983
Name	OJ000210_24.0316.C7.o1.np	Method	AAT/NAP
Start	1	End	919
GI	5903095	Score	108
Exons	1..273, 576..616, 776..919		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92594	Strand	+
Start	1	End	983
Name	OJ000210_24.0316.C7.o1.gp	Method	AAT/GAP
Start	42	End	983
GI	none	Score	1016
Exons	42..112, 193..273, 576..983		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92595	Strand	+
Start	1592	End	6363
Name	OJ000210_24.0316.C7.o1.gs	Method	GENSCAN
Start	1592	End	6127
GI	none	Score	.9
Exons	1592..1686, 2177..2319, 3930..4039, 5887..5978, 6097..6127		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92595	Strand	+
Start	1592	End	6363
Name	OJ000210_24.0316.C7.o2.gp	Method	AAT/GAP
Start	3908	End	4058
GI	uC-osroM202016f07b1	Score	263
Exons	3908..4058		
GI Descrip.	'1354849/gb\|AAB02006\| 3.0e-23 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92595	Strand	+
Start	1592	End	6363
Name	OJ000210_24.0316.C7.o3.gp	Method	AAT/GAP
Start	5678	End	6363
GI	none	Score	699
Exons	5678..5721, 5887..5978, 6097..6363		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	13	End	635

GI	none	Score	76
Exons	13..117, 28..90, 29..112, 35..127, 190..273, 192..266, 579..635		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o2.tm	Method	TBLASTX:Maize
Start	13	End	616
GI	none	Score	132
Exons	13..111, 32..112, 32..118, 34..123, 184..273, 190..273, 192..293, 565..612, 573..611, 575..616		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o2.tc	Method	TBLASTX:Cress
Start	28	End	635
GI	none	Score	128
Exons	28..108, 29..112, 190..273, 198..293, 573..635		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o4.gp	Method	AAT/GAP
Start	7253	End	8650
GI	65614_1.R1084	Score	1132
Exons	7253..7411, 7718..7849, 7973..8088, 8218..8369, 8475..8560, 8613..8650		
GI Descrip.	'3548818 1.0e-38 (AC005313) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o1.tc	Method	TBLASTX:Cress
Start	7806	End	8571
GI	none	Score	51
Exons	7806..7850, 7810..7860, 7968..8084, 7968..8096, 7969..8088, 8171..8368, 8204..8326, 8217..8366, 8217..8369, 8218..8367, 8473..8571, 8475..8555, 8479..8571		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o2.ts	Method	TBLASTX:Soybean
Start	7806	End	8571
GI	none	Score	53
Exons	7806..7859, 7810..7860, 7968..8096, 7969..8088, 8218..8256, 8218..8250, 8253..8360, 8253..8369, 8311..8367, 8473..8571, 8475..8555		

Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	7806	End	8571
GI	none	Score	60

Exons	7806..7859, 7810..7860, 7968..8096, 7969..8088, 7973..8116, 7977..8120, 8155..8271, 8217..8369, 8220..8399, 8473..8571, 8475..8570		
Seq. No.	44039	Seq. ID	OJ000210_24.0316.C7
Gene No.	92596	Strand	+
Start	7253	End	8650
Name	OJ000210_24.0316.C7.o2.np	Method	AAT/NAP
Start	7810	End	8650
GI	7487148	Score	441
Exons	7810..7849, 7973..8088, 8218..8369, 8475..8650		
GI Descrip.	hypothetical protein T18E12.21 - Arabidopsis thaliana gi\|3548818\|gb\|AAC34490.1\| (AC005313) unknown protein [Arabidopsis thaliana]		

Seq. No.	44040	Seq. ID	OJ000210_24.0316.C8
Gene No.	92597	Strand	+
Start	159	End	2008
Name	OJ000210_24.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	86	End	1579
GI	none	Score	86
Exons	86..211, 141..245, 158..208, 448..567, 462..557, 473..571, 481..570, 668..742, 669..743, 671..742, 672..743, 757..807, 1432..1572, 1433..1573, 1457..1579		

Seq. No.	44040	Seq. ID	OJ000210_24.0316.C8
Gene No.	92597	Strand	+
Start	159	End	2008
Name	OJ000210_24.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	141	End	1528
GI	none	Score	93
Exons	141..209, 154..210, 158..247, 473..571, 480..557, 482..568, 484..570, 668..742, 669..743, 672..743, 1431..1511, 1432..1509, 1433..1528, 1436..1528		

Seq. No.	44040	Seq. ID	OJ000210_24.0316.C8
Gene No.	92597	Strand	+
Start	159	End	2008
Name	OJ000210_24.0316.C8.o1.np	Method	AAT/NAP
Start	159	End	2008
GI	7487148	Score	403
Exons	159..209, 482..568, 672..741, 1437..1582, 1967..2008		
GI Descrip.	hypothetical protein T18E12.21 - Arabidopsis thaliana gi\|3548818\|gb\|AAC34490.1\| (AC005313) unknown protein [Arabidopsis thaliana]		

Seq. No.	44040	Seq. ID	OJ000210_24.0316.C8
Gene No.	92597	Strand	+
Start	159	End	2008
Name	OJ000210_24.0316.C8.o1.gp	Method	AAT/GAP
Start	167	End	1573
GI	20268_1.R1084	Score	595
Exons	167..209, 482..568, 672..741, 1437..1573		
GI Descrip.	'3548818 2.0e-69 (AC005313) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44040	Seq. ID	OJ000210_24.0316.C8